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May 27, 2015

Ms. Michele Dermer  
 EPA Region 9, WTR-9  
 75 Hawthorne St.  
 San Francisco, CA 94105

**Subject: April 2015 Monthly Report for PG&E Test Injection/Withdrawal Well 1  
 Permit No. R9UIC-CA5-FY13-1  
 King Island, San Joaquin County, California**

Dear Ms. Dermer:

PG&E is providing this April 2015 Monthly Report to EPA in compliance with UIC Permit R9UIC-CA5-FY13-1, Part II.E.5 for PG&E Test Injection/Withdrawal Well 1, located within King Island Gas Field, San Joaquin County, California. The April monitoring period extends from April 1 through 30, 2015 and includes all data collected during that time period. Prior data since the start of injection is also included.

This Report provides the following minimum required information:

<u>Permit Reporting Requirements</u>	<u>Type of Information Provided</u> <sup>1</sup>	<u>Location of Information</u>	<u>Format of Information</u>
Part II.E.5.a and b.: Submit the following quarterly, hourly, daily, and monthly parameters: <ul style="list-style-type: none"> <li>Injection rate, daily injection volume, total cumulative volume, wellhead injection pressure, annular pressure, and injection fluid temperature</li> </ul>	Monitoring device data for I/W well	Attachment 1	Hard Copy and Electronic (PDF and Excel)

<sup>1</sup> The data provided includes hourly, daily and monthly data. Quarterly data will be presented beginning with the combined June Monthly and Second Quarter 2015 Quarterly Report, which is due to be submitted on July 28, 2015.

<u>Permit Reporting Requirements</u>	<u>Type of Information Provided</u> <sup>1</sup>	<u>Location of Information</u>	<u>Format of Information</u>
Part II.E.3.c.: Continuously monitored pressures and temperatures at the wellhead tubing and casing annulus of the Piacentine 1-27 observation well	Wellhead tubing and casing annulus data for Piacentine 1-27 well	Attachment 2	Hard Copy and Electronic (PDF and Excel)
Part II.E.5.e.: Submit Citizen Green 1 Well static bottomhole and wellhead pressures	Wellhead and calculated bottomhole pressure data for Citizen Green 1	Attachment 3	Hard Copy and Electronic (PDF and Excel)

In addition to the above monitoring data requirements for monthly reporting, PG&E is presenting the following information to address additional data evaluations that were performed during this reporting period:

<u>Permit Reporting Requirements</u>	<u>Type of Information Provided</u>	<u>Location of Information</u>	<u>Format of Information</u>
Part II.E.5.d.i.: Submit the following: <ul style="list-style-type: none"> <li>• Fall-off Test Results</li> <li>• Shut-in static reservoir pressure cumulative behavior plot of the injection zone</li> </ul>	Fall-off Test Results, including data and reservoir pressure plots  (Submitted to the EPA on May 5, 2015)	Attachment 4	Hardcopy, and Electronic (PDF and Excel)

A sheet that contains the abbreviations used in Attachments 1 through 3 is included as Attachment 5.

#### **STATUS OF COMPLIANCE**

A document titled *Updated Evaluation of Annular Pressure-Temperature Relationship* was submitted to the EPA on April 1, 2015. It was noted in the updated evaluation that annular temperatures are expected to be higher than originally evaluated, when the full compression train is used and as ambient temperatures increase, but are expected to remain between 30 and 600 psia during normal operating conditions. In a letter responding to this evaluation dated April 17, 2015, the EPA commented "The acceptance of the proposed range of acceptable annular pressure fluctuations of 30 to 600 psia will be considered pending a review of the recorded annular pressure versus temperature and injection rate data in future reports. In the interim, the upper limit of annular pressure can be set at 200 psia for compliance with paragraphs 6.b and 6.c and reporting a potential loss of mechanical integrity." In a response letter, dated April 24, 2015, PG&E accepted the 200 psia annular pressure limit on a contingent basis, with the understanding that should annular pressures exceeding 200 psia be measured, a higher pressure limit may be requested, if supported by pressure and temperature data analysis demonstrating that the annular pressure exceedance is not due to a loss of wellbore mechanical integrity.

From April 27 through 30, 2015, measured annular pressures in Test Injection/Withdrawal Well 1 continued to exceed the EPA specified range limit of 30 to 200 psia. PG&E notified EPA within 24 hours of the exceedances. Details regarding the exceedances were presented in a letter dated May 1, 2015. This letter also included an evaluation of the exceedances and an updated evaluation of the annular pressure-temperature relationship. The updated evaluation supported the conclusion

that the observed annular pressure increases were solely a reflection of the operating conditions and not related to a loss of mechanical integrity of the tubing string or casing. The EPA's response to the May 1 letter and an extended evaluation of the annular pressure-temperature relationship, submitted in May, will be reported in the May 2015 Monthly Report, which will be submitted on or before June 28, 2015.

Test Injection/Withdrawal Well 1 continued to operate in full compliance with UIC Permit No. R9UIC-CA5-FY13-1 during the April reporting period.

#### **SCHEDULE**

PG&E anticipates continuing the compression test into the first week of June 2015. Monthly compliance reports will be submitted to EPA by the 28<sup>th</sup> of each month until the completion of the test, at which point the reporting frequency will be changed from monthly to quarterly. The June 2015 Monthly Report will be combined with the Second Quarter 2015 Report, and will be submitted to EPA by July 28, 2015. Subsequent quarterly reports will be submitted to EPA by the 28<sup>th</sup> day after the end of each calendar quarter.

This submittal includes hard copies of each of the five attachments as well as a data CD with electronic copies of this report and all attachments. Electronic copies of this report and all attachments are also available at the following Dropbox link.

<https://www.dropbox.com/sh/mf2qnl5v016e78f/AABIm-gfjIKWPpVCKe7hUgA6a?dl=0>

If you have any questions regarding this submittal or require additional information, please feel free to contact me at (415) 973-6270.

Sincerely,



Mike Medeiros  
Manager, Renewable Energy Development

Cc: Mr. James Walker, EPA Consultant  
Mr. Michael Woods, Division of Oil, Gas and Geothermal Resources  
Ms. Anne L. Olson, Central Valley Regional Water Quality Control Board

Enclosures: Data CD with all attachments  
Attachment 1 - Monitoring Device Data for I/W Well  
Attachment 2 - Wellhead Tubing and Casing Annulus Data for Piacentine 1-27 Well  
Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1  
Attachment 4 - Falloff Test Report – April 1 - 3, 2015  
Attachment 5 - List of Abbreviations Used in Attachments 1 through 3

**ATTACHMENT 1**  
Monitoring Device Data for I/W Well

**Attachment 1 - Continuous Monitoring Device Data for I/W Well - Daily**

CSV Data File Name	Date	Start Time	Stop Time	Duration (min.)	Number of Data Points	FE-004 - Injection Gas Flow Rate						Total Daily Injected Volume MMSCF	FE-009 - Vented Gas Flow Rate						Total Daily Injected Volume MMSCF	Net Cumulative Storage MMSCF	TIT-002 (°F)			PIT-012 (PSIG)			PIT-018 (PSIG)										
						SCFM			MMSCFD				SCFM			MMSCFD					Temperature			Tubing Pressure			Annulus Pressure										
						Avg	Min	Max	Avg	Min	Max		Avg	Min	Max	Avg	Min	Max			Avg	Min	Max	Avg	Min	Max	Avg	Min	Max								
CAES150113	01/13/15	14:23:01	23:59:56	09:36:55	6863	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	37.9	32.0	49.3	0.1	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
CAES150114	01/14/15	00:00:01	23:59:56	23:59:55	14498	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.9	28.1	78.4	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2		
CAES150115	01/15/15	00:00:01	23:59:56	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	45.9	41.1	53.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
CAES150116	01/16/15	00:00:01	09:52:26	09:52:25	7110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.8	43.7	46.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	01/17/15					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	01/18/15					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
CAES150119	01/19/15	10:59:06	23:59:56	13:00:50	9215	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	53.9	46.1	61.1	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2		
CAES150120	01/20/15	00:00:01	23:59:56	23:59:55	17277	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.8	39.5	73.3	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	
CAES150121	01/21/15	00:00:01	23:59:56	23:59:55	16971	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	50.5	38.7	76.4	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	
CAES150122	01/22/15	00:00:00	23:59:55	23:59:55	17247	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.2	34.6	60.5	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
CAES150123	01/23/15	00:00:00	23:59:55	23:59:55	17241	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.9	34.4	64.8	0.0	0.0	892.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.4
CAES150124	01/24/15	00:00:00	07:28:10	07:28:10	5379	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	44.6	44.0	45.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
CAES150125	01/25/15					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
CAES150126	01/26/15	08:28:45	23:59:55	15:31:10	11175	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.3	42.1	81.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,980.7
CAES150127	01/27/15	00:00:00	16:59:00	16:59:00	12229	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.2	45.8	74.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAES150128	01/28/15					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
CAES150129	01/29/15	07:46:05	23:59:55	16:13:50	11215	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	63.9	40.3	87.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
CAES150130	01/30/15	00:00:00	16:40:50	16:40:50	11837	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.5	37.9	95.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
CAES150131	01/31/15	15:36:35	23:59:55	08:23:20	6035	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	58.8	44.2	85.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
CAES150201	02/01/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	55.0	36.3	83.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
CAES150202	02/02/15	00:00:00	23:59:55	23:59:55	15827	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	1741.1	0.0	0.0	0.0	2.5	0.0	53.9	37.5	81.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
CAES150203	02/03/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.2	43.4	91.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5
CAES150204	02/04/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	185.5	0.0	0.0	0.3	0.0	0.3	0.0	1287.3	0.0	0.0	1.9	0.0	54.2	42.3	76.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
CAES150205	02/05/15	00:00:00	23:59:55	23:59:55	17207	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.1	43.6	70.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CAES150206	02/06/15	00:00:00	23:59:55	23:59:55	16349	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	56.7	48.6	67.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
CAES150207	02/07/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	61.2	55.2	77.6	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
CAES150208	02/08/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.8	55.8	64.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
CAES150209	02/09/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65.6	45.2	91.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8
CAES150210	02/10/15	00:00:00	23:59:55	23:59:55	17268	6.2	0.0	523.6	0.0	0.0	0.8	0.0	5.7	0.0	533.0	0.0	0.0	0.8	0.0	55.9	41.8	83.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89.3	
CAES150211	02/11/15	00:00:00	23:59:55	23:59:55	17280	25.3	0.0	1427.7	0.0	0.0	2.1	0.0	25.2	0.0	1427.2	0.0	0.0	2.1	0.0	59.3	38.4	96.4	0.9	0.0	5.9	84.0	83.1	84.0	83.1	84.0	83.1	84.0	83.1	84.0	83.1	84.9	
CAES150212	02/12/15	00:00:00	23:59:55	23:59:55	17280	96.9	0.0	2018.5	0.1	0.0	2.9	0.1	95.4	0.0	2018.4	0.1	0.0	2.9	0.1	63.7	42.9	104.5	15.1	5.7	24.2	84.2	83.2	84.2	83.2	84.2	83.2	84.2	83.2	84.2	83.2	85.1	
CAES150213	02/13/15	00:00:00	23:59:55	23:59:55	17280	492.7	0.0	5530.3	0.7	0.0	8.0	0.7	459.9	0.0	2967.9	0.7	0.0	4.3	0.7	64.6	42.9	106.5	725.1	24.1	1695.2	83.2	77.9	83.2	77.9	83.2	77.9	83.2	77.9	83.2	77.9	85.6	
CAES150214	02/14/15	00:00:00	23:59:55	23:59:55	16079	673.6	0.0	3863.3	1.0	0.0	5.6	0.9	77.7	0.0	1763.0	0.1	0.0	2.5	0.1	67.8	42.4	111.3	1633.6	1620.0	1649.9	76.3	56.2	76.3	56.2	76.3	56.2	76.3	56.2	76.3	56.2	85.7	
CAES150215	02/15/15	00:00:00	23:59:55	23:59:55	17280	1244.3	0.0	1704.8	1.8	0.0	2.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	73.5	56.4	91.4	1629.3	1621.3	1630.8	47.8	43.2	47.8	43.2	47.8	43.2	47.8	43.2	47.8	43.2	56.9	
CAES150216	02/16/15	00:00:00	23:59:55	23:59:55	17280	1296.1	887.5	1491.5	1.9	1.3	2.1	1.9	0.0	0.0	0.0	0.0	0.0	0.0	4.5	75.9	61.6	91.4	1630.6	1629.4	1631.5	41.0	36.8	41.0	36.8	41.0	36.8	41.0	36.8	41.0	36.8	44.9	
CAES150217	02/17/15	00:00:00	23:59:55	23:59:55	17280	359.3	0.0	1572.8	0.5	0.0	2.3	0.5	0.4	0.0	83																						

Attachment 1 - Continuous Monitoring Device Data for I/W Well - Daily

CSV Data File Name	Date	Start Time	Stop Time	Duration (min.)	Number of Data Points	FE-004 - Injection Gas Flow Rate						Total Daily Injected Volume MMSCF	FE-009 - Vented Gas Flow Rate						Total Daily Injected Volume MMSCF	Net Cumulative Storage MMSCF	TIT-002 (°F)			PIT-012 (PSIG)			PIT-018 (PSIG)					
						SCFM			MMSCFD				SCFM			MMSCFD					Temperature			Tubing Pressure			Annulus Pressure					
						Avg	Min	Max	Avg	Min	Max		Avg	Min	Max	Avg	Min	Max			Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
CAES150403	04/03/15	00:00:00	23:59:55	23:59:55	16140	4377.5	0.0	7212.4	6.3	0.0	10.4	5.9	277.4	0.0	6807.1	0.4	0.0	9.8	0.4	251.2	76.7	42.8	106.1	1759.8	1739.6	1776.4	94.7	77.4	111.5			
CAES150404	04/04/15	00:00:00	23:59:55	23:59:55	17280	6775.3	2581.7	7109.5	9.8	3.7	10.2	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	261.0	85.5	68.8	100.9	1779.0	1768.4	1783.9	72.6	53.5	92.6			
CAES150405	04/05/15	00:00:00	23:59:55	23:59:55	17280	6878.7	0.0	7173.7	9.9	0.0	10.3	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	270.9	81.2	70.6	94.1	1785.0	1764.0	1787.6	62.9	54.6	76.2			
CAES150406	04/06/15	00:00:00	23:59:55	23:59:55	17280	6880.7	6369.8	7130.9	9.9	9.2	10.3	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	280.8	82.6	67.5	99.4	1789.0	1785.1	1792.9	56.8	42.1	73.8			
CAES150407	04/07/15	00:00:00	23:59:55	23:59:55	17280	6840.3	0.0	8475.0	9.9	0.0	12.2	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	290.6	81.2	71.5	92.7	1793.5	1770.7	1798.8	60.3	50.8	66.7			
CAES150408	04/08/15	00:00:00	23:59:55	23:59:55	17280	6908.9	6540.1	7184.6	9.9	9.4	10.3	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	300.6	78.7	68.8	89.5	1796.6	1794.4	1799.3	49.3	40.7	59.2			
CAES150409	04/09/15	00:00:00	23:59:55	23:59:55	17280	6845.3	0.0	7095.7	9.9	0.0	10.2	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	310.4	81.2	67.4	94.1	1800.3	1779.5	1809.0	52.5	39.0	68.5			
CAES150410	04/10/15	00:00:00	23:59:55	23:59:55	17280	5638.1	5468.6	5823.5	8.1	7.9	8.4	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	318.5	85.1	69.8	101.4	1797.4	1795.6	1799.2	64.7	49.1	84.4			
CAES150411	04/11/15	00:00:00	23:59:55	23:59:55	17280	5612.5	0.0	5802.0	8.1	0.0	8.4	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	326.6	87.5	72.4	102.2	1799.8	1784.1	1807.6	73.6	54.8	95.1			
CAES150412	04/12/15	00:00:00	23:59:55	23:59:55	17280	5225.5	0.0	5823.0	7.5	0.0	8.4	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	334.2	90.3	74.6	105.9	1801.1	1784.8	1804.7	85.8	63.0	113.9			
CAES150413	04/13/15	00:00:00	23:59:55	23:59:55	17280	5486.8	0.0	5786.8	7.9	0.0	8.3	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	342.1	88.8	74.9	106.0	1804.7	1787.6	1807.4	91.6	71.1	112.2			
CAES150414	04/14/15	00:00:00	23:59:55	23:59:55	17280	6363.3	2546.7	7169.8	9.2	3.7	10.3	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	351.2	84.4	71.5	95.2	1811.6	1793.0	1817.9	78.1	63.6	92.1			
CAES150415	04/15/15	00:00:00	23:59:55	23:59:55	17280	6937.0	6701.2	7150.9	10.0	9.6	10.3	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	361.2	87.9	75.4	102.2	1819.6	1817.1	1823.4	81.5	57.8	114.8			
CAES150416	04/16/15	00:00:00	23:59:55	23:59:55	17280	3794.1	0.0	7157.5	5.5	0.0	10.3	5.5	0.4	0.0	528.6	0.0	0.0	0.8	0.0	366.7	84.0	60.8	108.3	1812.3	1796.4	1823.6	82.0	62.3	97.8			
CAES150417	04/17/15	00:00:00	23:59:55	23:59:55	17280	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	366.7	72.7	46.1	109.6	1792.4	1789.5	1796.5	93.9	90.8	96.9			
CAES150418	04/18/15	00:00:00	23:59:55	23:59:55	14138	3091.6	0.0	5500.9	4.5	0.0	7.9	4.5	9.4	0.0	1348.2	0.0	0.0	1.9	0.0	371.1	86.1	51.0	109.4	1798.0	1788.9	1809.6	97.4	82.3	117.1			
CAES150419	04/19/15	00:00:00	23:59:55	23:59:55	17280	5472.1	5200.0	5681.2	7.9	7.5	8.2	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	379.0	92.2	76.7	110.6	1812.7	1809.4	1816.2	102.5	75.2	138.7			
CAES150420	04/20/15	00:00:00	23:59:55	23:59:55	17280	5851.2	2271.1	6846.8	8.4	3.3	9.9	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	387.4	90.4	79.5	105.6	1819.3	1806.9	1826.4	105.3	82.0	135.5			
CAES150421	04/21/15	00:00:00	23:59:55	23:59:55	17280	6316.6	0.0	6959.0	9.1	0.0	10.0	9.1	16.1	0.0	1544.7	0.0	0.0	2.2	0.0	396.5	89.0	78.9	113.4	1826.1	1803.1	1834.3	102.4	84.9	125.0			
CAES150422	04/22/15	00:00:00	23:59:55	23:59:55	17280	6400.5	2415.9	6945.1	9.2	3.5	10.0	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	405.7	89.6	76.3	107.8	1830.2	1817.7	1834.7	94.2	71.3	129.3			
CAES150423	04/23/15	00:00:00	23:59:55	23:59:55	17280	6733.5	6391.2	7050.5	9.7	9.2	10.2	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	415.4	91.5	77.2	109.3	1836.4	1833.9	1839.8	113.8	79.4	153.5			
CAES150424	04/24/15	00:00:00	23:59:55	23:59:55	16748	4618.6	0.0	6908.6	6.7	0.0	9.9	6.4	15.4	0.0	2887.7	0.0	0.0	4.2	0.0	421.8	85.6	53.7	117.7	1830.8	1812.9	1840.0	115.2	104.8	127.0			
CAES150425	04/25/15	00:00:00	23:59:55	23:59:55	17280	6725.7	5362.8	6953.2	9.7	7.7	10.0	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	431.5	90.0	82.1	99.8	1840.4	1835.4	1844.1	105.4	88.8	129.3			
CAES150426	04/26/15	00:00:00	23:59:55	23:59:55	17280	6740.2	6403.9	6989.2	9.7	9.2	10.1	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	441.2	92.5	79.0	106.8	1845.5	1843.3	1849.0	117.6	83.2	164.3			
CAES150427	04/27/15	00:00:00	23:59:55	23:59:55	17280	6627.6	6287.7	6931.0	9.5	9.1	10.0	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	450.8	97.3	82.9	115.3	1850.1	1847.8	1854.1	154.9	104.4	223.6			
CAES150428	04/28/15	00:00:00	23:59:55	23:59:55	17280	6641.8	6254.6	6928.9	9.6	9.0	10.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	460.3	97.3	82.5	115.0	1854.6	1852.6	1857.5	185.2	129.5	252.8			
CAES150429	04/29/15	00:00:00	23:59:55	23:59:55	17280	6650.4	6330.7	6957.3	9.6	9.1	10.0	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	469.9	96.6	79.7	113.5	1857.9	1855.7	1860.9	178.9	118.9	252.3			
CAES150430	04/30/15	00:00:00	23:59:55	23:59:55	17280	6569.0	6201.4	6894.2	9.5	8.9	9.9	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	479.4	99.5	81.4	117.2	1861.4	1858.9	1864.8	204.2	127.8	293.3			
		February Monthly Data (Operating Conditions Only)				1863.6	0.0	4411.5	2.7	0.0	6.4	2.6	15.1	0.0	3441.5	0.0	0.0	5.0	0.0	38.6	71.4	42.4	111.3	1638.8	1615.3	1672.5	38.8	20.2	85.7			
		March Monthly Data (Operating Conditions Only)				4596.0	0.0	7457.3	6.6	0.0	10.7	6.6	8.5	0.0	4335.1	0.0	0.0	6.2	0.0	204.5	83.6	49.5	117.6	1720.5	1656.1	1783.5	59.4	25.4	151.9			
		April Monthly Data (Operating Conditions Only)				5480.1	0.0	8475.0	7.9	0.0	12.2	7.3	11.8	0.0	6807.1	0.0	0.0	9.8	0.0	236.2	85.9	42.8	117.7	1810.4	1739.6	1864.8	98.2	39.0	293.3			

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :		TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure			
02/08/15	01:00:00	56.4	0.0	0.0	0.0	0.0	0.0
02/08/15	02:00:00	57.5	0.0	0.0	0.0	0.0	0.0
02/08/15	03:00:00	57.8	0.0	0.0	0.0	0.0	0.0
02/08/15	04:00:00	57.3	0.0	0.0	0.0	0.0	0.0
02/08/15	05:00:00	57.3	0.0	0.0	0.0	0.0	0.0
02/08/15	06:00:00	58.6	0.0	0.0	0.0	0.0	0.0
02/08/15	07:00:00	58.9	0.0	0.0	0.0	0.0	0.0
02/08/15	08:00:00	59.1	0.0	0.0	0.0	0.0	0.0
02/08/15	09:00:00	57.9	0.0	0.0	0.0	0.0	0.0
02/08/15	10:00:00	58.2	0.0	0.0	0.0	0.0	0.0
02/08/15	11:00:00	61.3	0.0	0.0	0.0	0.0	0.0
02/08/15	12:00:00	62.6	0.0	0.0	0.0	0.0	0.0
02/08/15	13:00:00	61.3	0.0	0.0	0.0	0.0	0.0
02/08/15	14:00:00	61.1	0.0	0.0	0.0	0.0	0.0
02/08/15	15:00:00	62.9	0.0	0.0	0.0	0.0	0.0
02/08/15	16:00:00	62.1	0.0	0.0	0.0	0.0	0.0
02/08/15	17:00:00	63.7	0.0	0.0	0.0	0.0	0.0
02/08/15	18:00:00	63.8	0.0	0.0	0.0	0.0	0.0
02/08/15	19:00:00	61.7	0.0	0.0	0.0	0.0	0.0
02/08/15	20:00:00	61.3	0.0	0.0	0.0	0.0	0.0
02/08/15	21:00:00	59.8	0.0	0.0	0.0	0.0	0.0
02/08/15	22:00:00	58.5	0.0	0.0	0.0	0.0	0.0
02/08/15	23:00:00	57.8	0.0	0.0	0.0	0.0	0.0
02/09/15	00:00:00	58.4	0.0	0.0	0.0	0.0	0.0
02/09/15	01:00:00	59.1	0.0	0.0	0.0	0.0	0.0
02/09/15	02:00:00	57.1	0.0	0.0	0.0	0.0	0.0
02/09/15	03:00:00	55.6	0.0	0.0	0.0	0.0	0.0
02/09/15	04:00:00	56.5	0.0	0.0	0.0	0.0	0.0
02/09/15	05:00:00	57.2	0.0	0.0	0.0	0.0	0.0
02/09/15	06:00:00	56.9	0.0	0.0	0.0	0.0	0.0
02/09/15	07:00:00	56.0	0.0	0.0	0.0	0.0	0.0
02/09/15	08:00:00	55.6	0.0	0.0	0.0	0.0	0.0
02/09/15	09:00:00	60.8	0.0	0.0	0.0	0.0	0.0
02/09/15	10:00:00	71.9	0.0	0.0	0.0	0.0	0.0
02/09/15	11:00:00	81.5	0.0	0.0	0.0	0.0	0.0
02/09/15	12:00:00	87.4	0.0	0.1	0.0	0.0	0.0
02/09/15	13:00:00	90.0	0.0	0.2	0.0	0.0	0.0
02/09/15	14:00:00	87.5	0.0	0.3	0.0	0.0	0.0
02/09/15	15:00:00	89.9	0.0	0.4	0.0	0.0	0.0
02/09/15	16:00:00	86.6	0.0	0.2	0.0	0.0	0.0
02/09/15	17:00:00	80.5	0.0	0.1	0.0	0.0	0.0
02/09/15	18:00:00	68.7	0.0	0.0	0.0	0.0	0.0
02/09/15	19:00:00	60.4	0.0	0.0	0.0	0.0	0.0
02/09/15	20:00:00	56.3	0.0	0.0	0.0	0.0	0.0
02/09/15	21:00:00	53.4	0.0	0.0	0.0	0.0	0.0
02/09/15	22:00:00	50.6	0.0	0.0	0.0	0.0	0.0
02/09/15	23:00:00	48.3	0.0	0.0	0.0	0.0	0.0
02/10/15	00:00:00	45.9	0.0	0.0	0.0	0.0	0.0
02/10/15	01:00:00	45.2	0.0	0.0	0.0	0.0	0.0
02/10/15	02:00:00	45.7	0.0	0.0	0.0	0.0	0.0
02/10/15	03:00:00	45.7	0.0	0.0	0.0	0.0	0.0
02/10/15	04:00:00	45.1	0.0	0.0	0.0	0.0	0.0
02/10/15	05:00:00	44.1	0.0	0.0	0.0	0.0	0.0
02/10/15	06:00:00	42.9	0.0	0.0	0.0	0.0	0.0
02/10/15	07:00:00	42.3	0.0	0.0	0.0	0.0	0.0
02/10/15	08:00:00	42.4	0.0	0.0	0.0	0.0	0.0
02/10/15	09:00:00	50.5	0.0	0.0	0.0	0.0	0.0
02/10/15	10:00:00	62.4	0.0	0.0	0.0	0.0	0.0
02/10/15	11:00:00	71.3	0.0	0.0	0.0	0.0	0.0
02/10/15	12:00:00	75.4	0.0	0.0	0.0	0.0	0.0
02/10/15	13:00:00	77.4	0.0	0.0	0.0	0.0	0.0
02/10/15	14:00:00	80.7	0.0	0.0	0.0	0.0	0.0
02/10/15	15:00:00	77.9	0.0	0.0	0.0	0.0	0.0
02/10/15	16:00:00	70.0	0.0	69.4	0.0	0.0	0.0
02/10/15	17:00:00	67.5	0.0	84.9	0.0	0.0	0.0
02/10/15	18:00:00	62.3	0.0	84.8	0.2	0.2	0.0
02/10/15	19:00:00	56.0	0.0	84.7	0.0	0.0	0.0

### Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :		TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure			
02/10/15	20:00:00	51.6	0.0	84.6	0.0	0.0	0.0
02/10/15	21:00:00	48.9	0.0	84.5	0.0	0.0	0.0
02/10/15	22:00:00	46.4	0.0	84.3	0.0	0.0	0.0
02/10/15	23:00:00	44.8	0.0	84.2	0.0	0.0	0.0
02/11/15	00:00:00	44.3	0.0	84.1	0.0	0.0	0.0
02/11/15	01:00:00	42.9	0.0	84.0	0.0	0.0	0.0
02/11/15	02:00:00	42.1	0.0	83.9	0.0	0.0	0.0
02/11/15	03:00:00	41.6	0.0	83.8	0.0	0.0	0.0
02/11/15	04:00:00	41.3	0.0	83.7	0.0	0.0	0.0
02/11/15	05:00:00	40.4	0.0	83.6	0.0	0.0	0.0
02/11/15	06:00:00	39.3	0.0	83.5	0.0	0.0	0.0
02/11/15	07:00:00	38.8	0.0	83.4	0.0	0.0	0.0
02/11/15	08:00:00	39.4	0.0	83.4	0.0	0.0	0.0
02/11/15	09:00:00	48.4	0.0	83.5	0.0	0.0	0.0
02/11/15	10:00:00	62.8	0.0	83.7	0.0	0.0	0.0
02/11/15	11:00:00	78.4	0.0	83.7	0.4	0.4	0.0
02/11/15	12:00:00	87.2	0.0	84.0	0.4	0.4	0.0
02/11/15	13:00:00	89.7	0.0	84.2	0.1	0.1	0.0
02/11/15	14:00:00	89.9	0.0	84.5	0.0	0.0	0.0
02/11/15	15:00:00	91.5	0.0	84.6	0.0	0.0	0.0
02/11/15	16:00:00	85.3	0.7	84.6	0.0	0.0	0.0
02/11/15	17:00:00	75.4	1.8	84.5	0.0	0.0	0.0
02/11/15	18:00:00	66.3	2.4	84.5	0.0	0.0	0.0
02/11/15	19:00:00	60.4	2.9	84.5	0.0	0.0	0.0
02/11/15	20:00:00	56.6	3.4	84.4	0.0	0.0	0.0
02/11/15	21:00:00	54.0	4.0	84.4	0.0	0.0	0.0
02/11/15	22:00:00	51.9	4.5	84.3	0.0	0.0	0.0
02/11/15	23:00:00	49.9	5.0	84.2	0.0	0.0	0.0
02/12/15	00:00:00	48.8	5.5	84.1	0.0	0.0	0.0
02/12/15	01:00:00	48.0	6.1	84.0	0.0	0.0	0.0
02/12/15	02:00:00	47.8	6.6	83.9	0.0	0.0	0.0
02/12/15	03:00:00	46.8	7.2	83.8	0.0	0.0	0.0
02/12/15	04:00:00	45.5	7.7	83.8	0.0	0.0	0.0
02/12/15	05:00:00	44.6	8.3	83.7	0.0	0.0	0.0
02/12/15	06:00:00	43.9	8.9	83.6	0.0	0.0	0.0
02/12/15	07:00:00	43.3	9.5	83.5	0.0	0.0	0.0
02/12/15	08:00:00	43.4	10.3	83.5	0.0	0.0	0.0
02/12/15	09:00:00	52.3	11.2	83.6	0.0	0.0	0.0
02/12/15	10:00:00	66.0	12.2	83.8	0.0	0.0	0.0
02/12/15	11:00:00	79.2	13.6	83.8	0.0	0.0	0.0
02/12/15	12:00:00	89.5	14.7	84.1	0.0	0.0	0.0
02/12/15	13:00:00	94.7	15.9	84.3	0.0	0.0	0.0
02/12/15	14:00:00	97.6	17.1	84.6	0.0	0.0	0.0
02/12/15	15:00:00	95.5	18.2	84.8	0.0	0.0	0.0
02/12/15	16:00:00	95.8	19.1	84.8	0.9	0.9	0.0
02/12/15	17:00:00	88.1	20.1	84.7	2.4	2.4	0.0
02/12/15	18:00:00	75.9	20.5	84.7	0.0	0.0	0.0
02/12/15	19:00:00	65.5	21.1	84.7	0.0	0.0	0.0
02/12/15	20:00:00	59.3	21.6	84.6	0.0	0.0	0.0
02/12/15	21:00:00	54.8	22.2	84.5	0.0	0.0	0.0
02/12/15	22:00:00	52.0	22.8	84.4	0.0	0.0	0.0
02/12/15	23:00:00	49.9	23.3	84.3	0.0	0.0	0.0
02/13/15	00:00:00	48.4	23.9	84.2	0.0	0.0	0.0
02/13/15	01:00:00	47.2	24.5	84.0	0.0	0.0	0.0
02/13/15	02:00:00	46.2	25.0	83.9	0.0	0.0	0.0
02/13/15	03:00:00	45.5	25.6	83.8	0.0	0.0	0.0
02/13/15	04:00:00	44.7	26.2	83.7	0.0	0.0	0.0
02/13/15	05:00:00	44.1	26.8	83.6	0.0	0.0	0.0
02/13/15	06:00:00	43.4	27.4	83.6	0.0	0.0	0.0
02/13/15	07:00:00	43.1	28.1	83.5	0.0	0.0	0.0
02/13/15	08:00:00	44.6	28.8	83.5	0.0	0.0	0.0
02/13/15	09:00:00	52.2	29.9	83.5	0.0	0.0	0.0
02/13/15	10:00:00	68.8	31.2	83.7	1.0	1.0	0.0
02/13/15	11:00:00	80.1	32.8	83.8	1.6	1.6	0.0
02/13/15	12:00:00	90.8	34.2	84.0	3.0	2.9	0.0
02/13/15	13:00:00	96.7	35.6	84.3	2.5	2.5	0.0
02/13/15	14:00:00	99.1	533.3	84.6	2.4	2.3	0.0

### Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :	TIT-002 I/W	PIT-012 I/W Well	PIT-018 I/W Well	FE-004 Injection Gas	FE-009 Air Flow to	Cumulative Net	
	Manifold	Tubing	Annulus	Flow Rate	Atmosphere	Injection	
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/13/15	15:00:00	100.1	1684.1	84.9	2.3	2.3	0.0
02/13/15	16:00:00	98.1	1683.9	84.9	2.0	2.0	0.0
02/13/15	17:00:00	89.6	1664.3	80.2	2.1	1.0	0.1
02/13/15	18:00:00	76.1	1638.4	79.3	0.1	0.1	0.0
02/13/15	19:00:00	65.6	1637.7	81.0	0.0	0.0	0.0
02/13/15	20:00:00	59.7	1637.5	81.9	0.0	0.0	0.0
02/13/15	21:00:00	56.2	1637.4	82.4	0.0	0.0	0.0
02/13/15	22:00:00	54.4	1637.3	82.8	0.0	0.0	0.0
02/13/15	23:00:00	53.2	1637.2	83.0	0.0	0.0	0.0
02/14/15	00:00:00	51.4	1637.2	83.1	0.0	0.0	0.0
02/14/15	01:00:00	50.0	1637.2	83.2	0.0	0.0	0.0
02/14/15	02:00:00	50.0	1637.2	83.3	0.0	0.0	0.0
02/14/15	03:00:00	49.0	1637.2	83.3	0.0	0.0	0.0
02/14/15	04:00:00	47.2	1637.2	83.3	0.0	0.0	0.0
02/14/15	05:00:00	46.7	1637.2	83.3	0.0	0.0	0.0
02/14/15	06:00:00	45.2	1637.2	83.3	0.0	0.0	0.0
02/14/15	07:00:00	43.5	1637.2	83.3	0.0	0.0	0.0
02/14/15	08:00:00	43.0	1637.3	83.3	0.0	0.0	0.0
02/14/15	09:00:00	51.4	1637.4	83.4	0.0	0.0	0.0
02/14/15	10:00:00	66.4	1637.3	83.6	0.0	0.0	0.0
02/14/15	11:00:00	74.8	1637.4	83.7	0.0	0.0	0.0
02/14/15	12:00:00	91.9	1637.0	84.1	0.0	0.0	0.0
02/14/15	13:00:00	101.2	1637.2	84.3	1.3	1.3	0.1
02/14/15	14:00:00	96.1	1636.6	84.0	2.0	0.9	0.1
02/14/15	15:00:00	92.9	1630.8	79.0	2.3	0.0	0.2
02/14/15	16:00:00	92.1	1632.2	75.1	2.3	0.0	0.3
02/14/15	17:00:00	90.0	1631.9	72.0	1.9	0.0	0.4
02/14/15	18:00:00	82.3	1625.4	71.4	1.1	0.0	0.4
02/14/15	19:00:00	78.5	1626.4	69.3	1.3	0.0	0.5
02/14/15	20:00:00	76.3	1628.9	66.8	1.9	0.0	0.6
02/14/15	21:00:00	73.5	1629.3	63.8	1.8	0.0	0.6
02/14/15	22:00:00	71.5	1629.5	61.2	1.9	0.0	0.7
02/14/15	23:00:00	69.5	1629.8	58.7	1.9	0.0	0.8
02/15/15	00:00:00	68.1	1628.2	56.9	1.8	0.3	0.8
02/15/15	01:00:00	67.2	1629.3	55.5	1.9	0.0	0.9
02/15/15	02:00:00	64.6	1626.5	54.1	1.1	0.0	1.0
02/15/15	03:00:00	59.0	1627.3	54.3	1.7	0.0	1.0
02/15/15	04:00:00	62.1	1629.8	51.3	2.1	0.0	1.1
02/15/15	05:00:00	60.9	1630.0	48.8	2.1	0.0	1.2
02/15/15	06:00:00	60.4	1630.2	46.8	2.1	0.0	1.3
02/15/15	07:00:00	60.9	1630.5	45.4	2.1	0.0	1.4
02/15/15	08:00:00	61.5	1630.6	44.1	2.0	0.0	1.5
02/15/15	09:00:00	65.9	1630.1	43.6	1.9	0.0	1.6
02/15/15	10:00:00	73.0	1629.7	44.0	1.8	0.0	1.6
02/15/15	11:00:00	78.8	1629.0	44.9	1.6	0.0	1.7
02/15/15	12:00:00	84.5	1629.5	45.8	1.8	0.0	1.8
02/15/15	13:00:00	88.4	1629.6	46.7	1.8	0.0	1.8
02/15/15	14:00:00	89.6	1628.0	47.7	1.2	0.0	1.9
02/15/15	15:00:00	87.6	1627.5	49.3	1.5	0.0	2.0
02/15/15	16:00:00	87.0	1628.7	49.4	1.6	0.0	2.0
02/15/15	17:00:00	85.7	1629.1	49.5	1.7	0.0	2.1
02/15/15	18:00:00	83.2	1629.2	49.2	1.8	0.0	2.2
02/15/15	19:00:00	79.4	1629.3	48.6	1.8	0.0	2.2
02/15/15	20:00:00	76.5	1629.5	47.7	1.9	0.0	2.3
02/15/15	21:00:00	74.2	1629.8	46.8	1.9	0.0	2.4
02/15/15	22:00:00	73.3	1629.9	45.9	1.9	0.0	2.5
02/15/15	23:00:00	71.3	1630.0	45.0	1.9	0.0	2.6
02/16/15	00:00:00	69.6	1630.1	44.0	1.9	0.0	2.6
02/16/15	01:00:00	68.8	1630.1	43.0	1.9	0.0	2.7
02/16/15	02:00:00	68.0	1630.7	42.0	2.1	0.0	2.8
02/16/15	03:00:00	67.8	1631.0	41.0	2.1	0.0	2.9
02/16/15	04:00:00	66.5	1631.0	40.0	2.1	0.0	3.0
02/16/15	05:00:00	65.2	1631.0	39.2	2.1	0.0	3.1
02/16/15	06:00:00	64.3	1630.5	38.6	1.9	0.0	3.1
02/16/15	07:00:00	62.4	1630.8	38.0	2.0	0.0	3.2
02/16/15	08:00:00	62.8	1631.0	37.3	2.0	0.0	3.3
02/16/15	09:00:00	68.7	1630.6	37.3	1.9	0.0	3.4

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :	TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure		
02/16/15	10:00:00	75.1	1630.6	37.7	1.9	0.0
02/16/15	11:00:00	81.6	1630.5	38.4	1.8	0.0
02/16/15	12:00:00	85.8	1630.3	39.5	1.7	0.0
02/16/15	13:00:00	89.1	1630.4	40.8	1.6	0.0
02/16/15	14:00:00	90.6	1630.3	42.0	1.6	0.0
02/16/15	15:00:00	91.3	1630.2	43.1	1.6	0.0
02/16/15	16:00:00	90.6	1629.9	44.0	1.6	0.0
02/16/15	17:00:00	88.8	1630.3	44.4	1.7	0.0
02/16/15	18:00:00	85.2	1629.9	44.5	1.7	0.0
02/16/15	19:00:00	80.6	1630.1	44.2	1.8	0.0
02/16/15	20:00:00	76.5	1630.3	43.5	1.9	0.0
02/16/15	21:00:00	75.0	1630.6	42.7	1.9	0.0
02/16/15	22:00:00	73.6	1630.8	41.9	2.0	0.0
02/16/15	23:00:00	71.9	1631.2	41.0	2.0	0.0
02/17/15	00:00:00	71.3	1631.0	40.3	1.9	0.0
02/17/15	01:00:00	69.1	1630.8	39.7	1.9	0.0
02/17/15	02:00:00	67.6	1630.9	39.0	2.0	0.0
02/17/15	03:00:00	67.8	1631.1	38.3	2.0	0.0
02/17/15	04:00:00	66.9	1631.4	37.6	2.2	0.0
02/17/15	05:00:00	65.0	1631.7	36.5	2.2	0.0
02/17/15	06:00:00	68.4	1631.8	36.0	2.1	0.0
02/17/15	07:00:00	58.5	1625.5	37.6	0.0	0.0
02/17/15	08:00:00	52.7	1623.2	40.4	0.0	0.0
02/17/15	09:00:00	54.2	1621.8	42.7	0.0	0.0
02/17/15	10:00:00	57.8	1620.8	44.6	0.0	0.0
02/17/15	11:00:00	60.5	1620.0	46.2	0.0	0.0
02/17/15	12:00:00	68.0	1619.5	47.8	0.0	0.0
02/17/15	13:00:00	78.8	1618.9	49.2	0.0	0.0
02/17/15	14:00:00	85.3	1618.6	50.5	0.0	0.0
02/17/15	15:00:00	85.6	1618.3	51.7	0.0	0.0
02/17/15	16:00:00	82.8	1617.8	52.7	0.0	0.0
02/17/15	17:00:00	75.3	1617.8	53.6	0.0	0.0
02/17/15	18:00:00	64.8	1617.4	54.4	0.0	0.0
02/17/15	19:00:00	56.4	1617.3	55.1	0.0	0.0
02/17/15	20:00:00	53.4	1617.2	55.8	0.0	0.0
02/17/15	21:00:00	52.4	1617.1	56.4	0.0	0.0
02/17/15	22:00:00	51.9	1617.0	56.9	0.0	0.0
02/17/15	23:00:00	51.3	1616.8	57.4	0.0	0.0
02/18/15	00:00:00	50.7	1616.7	57.9	0.0	0.0
02/18/15	01:00:00	50.0	1616.6	58.4	0.0	0.0
02/18/15	02:00:00	49.5	1616.6	58.9	0.0	0.0
02/18/15	03:00:00	49.0	1616.5	59.3	0.0	0.0
02/18/15	04:00:00	48.2	1616.4	59.8	0.0	0.0
02/18/15	05:00:00	47.8	1616.4	60.2	0.0	0.0
02/18/15	06:00:00	47.2	1616.3	60.6	0.0	0.0
02/18/15	07:00:00	45.3	1616.2	60.9	0.0	0.0
02/18/15	08:00:00	44.4	1616.4	61.3	0.0	0.0
02/18/15	09:00:00	52.4	1616.3	61.8	0.0	0.0
02/18/15	10:00:00	67.3	1616.1	62.3	0.0	0.0
02/18/15	11:00:00	67.7	1616.0	62.7	0.0	0.0
02/18/15	12:00:00	65.2	1616.0	63.1	0.0	0.0
02/18/15	13:00:00	64.5	1616.0	63.5	0.0	0.0
02/18/15	14:00:00	66.7	1616.0	63.9	0.0	0.0
02/18/15	15:00:00	75.8	1616.2	64.5	0.0	0.0
02/18/15	16:00:00	81.7	1615.7	64.8	0.0	0.0
02/18/15	17:00:00	79.4	1615.9	65.1	0.0	0.0
02/18/15	18:00:00	71.1	1615.6	65.4	0.0	0.0
02/18/15	19:00:00	64.0	1615.6	65.6	0.5	0.4
02/18/15	20:00:00	62.6	1615.6	65.8	1.6	1.5
02/18/15	21:00:00	54.6	1615.7	66.1	0.9	0.9
02/18/15	22:00:00	51.3	1615.7	66.2	1.0	1.0
02/18/15	23:00:00	60.7	1621.0	63.9	1.5	0.1
02/19/15	00:00:00	62.1	1624.7	58.6	1.8	0.0
02/19/15	01:00:00	60.5	1624.9	54.7	1.4	0.0
02/19/15	02:00:00	53.3	1619.6	56.1	0.0	0.0
02/19/15	03:00:00	50.3	1618.6	58.3	0.0	0.0
02/19/15	04:00:00	50.8	1618.8	59.5	0.3	0.0

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :	TIT-002 I/W	PIT-012 I/W Well	PIT-018 I/W Well	FE-004 Injection Gas	FE-009 Air Flow to	Cumulative Net	
	Manifold	Tubing	Annulus	Flow Rate	Atmosphere	Injection	
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/19/15	05:00:00	62.8	1625.0	56.2	1.8	0.0	5.3
02/19/15	06:00:00	64.0	1626.6	52.5	1.8	0.0	5.4
02/19/15	07:00:00	64.6	1627.6	50.1	1.8	0.0	5.5
02/19/15	08:00:00	65.7	1628.3	48.3	1.8	0.0	5.5
02/19/15	09:00:00	67.3	1628.7	47.1	1.8	0.0	5.6
02/19/15	10:00:00	69.2	1629.1	46.2	1.8	0.0	5.7
02/19/15	11:00:00	71.0	1629.5	45.5	1.8	0.0	5.8
02/19/15	12:00:00	71.8	1629.8	44.8	1.8	0.0	5.8
02/19/15	13:00:00	72.1	1630.0	44.2	1.8	0.0	5.9
02/19/15	14:00:00	73.0	1630.2	43.8	1.8	0.0	6.0
02/19/15	15:00:00	72.6	1630.4	43.3	1.8	0.0	6.1
02/19/15	16:00:00	72.3	1630.6	42.9	1.9	0.0	6.1
02/19/15	17:00:00	71.9	1630.7	42.4	1.9	0.0	6.2
02/19/15	18:00:00	71.4	1630.8	41.9	1.9	0.0	6.3
02/19/15	19:00:00	71.2	1630.9	41.5	1.9	0.0	6.4
02/19/15	20:00:00	70.5	1631.0	41.0	1.9	0.0	6.5
02/19/15	21:00:00	70.0	1631.1	40.5	1.9	0.0	6.5
02/19/15	22:00:00	69.8	1631.1	40.1	1.9	0.0	6.6
02/19/15	23:00:00	70.1	1631.2	39.7	1.9	0.0	6.7
02/20/15	00:00:00	70.1	1631.3	39.3	1.9	0.0	6.8
02/20/15	01:00:00	69.6	1631.4	39.0	1.9	0.0	6.8
02/20/15	02:00:00	69.8	1631.4	38.7	1.9	0.0	6.9
02/20/15	03:00:00	69.4	1631.4	38.3	1.9	0.0	7.0
02/20/15	04:00:00	69.3	1631.4	38.0	1.9	0.0	7.1
02/20/15	05:00:00	69.1	1631.5	37.7	1.9	0.0	7.2
02/20/15	06:00:00	69.1	1631.5	37.5	1.9	0.0	7.2
02/20/15	07:00:00	68.5	1631.5	37.2	1.9	0.0	7.3
02/20/15	08:00:00	67.5	1631.7	36.8	1.9	0.0	7.4
02/20/15	09:00:00	68.4	1631.7	36.5	1.9	0.0	7.5
02/20/15	10:00:00	69.0	1631.7	36.3	1.9	0.0	7.6
02/20/15	11:00:00	62.0	1626.8	37.2	0.1	0.1	7.6
02/20/15	12:00:00	59.2	1624.2	40.3	0.0	0.0	7.6
02/20/15	13:00:00	75.9	1622.8	42.9	0.0	0.0	7.6
02/20/15	14:00:00	87.1	1622.1	44.5	0.0	0.0	7.6
02/20/15	15:00:00	89.4	1621.5	46.2	0.1	0.1	7.6
02/20/15	16:00:00	87.7	1623.8	47.3	2.0	0.9	7.6
02/20/15	17:00:00	79.9	1628.6	45.7	2.0	0.0	7.7
02/20/15	18:00:00	75.8	1627.6	44.3	1.3	0.0	7.7
02/20/15	19:00:00	64.7	1622.9	45.9	0.0	0.0	7.7
02/20/15	20:00:00	64.2	1627.1	45.5	1.7	0.0	7.8
02/20/15	21:00:00	67.3	1629.6	43.0	2.0	0.0	7.9
02/20/15	22:00:00	66.8	1630.3	41.2	2.1	0.0	8.0
02/20/15	23:00:00	65.7	1630.9	39.7	2.1	0.0	8.1
02/21/15	00:00:00	65.1	1631.4	38.5	2.1	0.0	8.2
02/21/15	01:00:00	65.8	1631.8	37.6	2.1	0.0	8.2
02/21/15	02:00:00	68.7	1632.0	37.0	2.0	0.0	8.3
02/21/15	03:00:00	67.9	1632.3	36.5	2.1	0.0	8.4
02/21/15	04:00:00	66.8	1632.4	35.9	2.1	0.0	8.5
02/21/15	05:00:00	66.8	1632.5	35.4	2.1	0.0	8.6
02/21/15	06:00:00	66.8	1632.6	35.0	2.1	0.0	8.7
02/21/15	07:00:00	66.8	1632.7	34.6	2.1	0.0	8.8
02/21/15	08:00:00	66.8	1632.8	34.3	2.1	0.0	8.8
02/21/15	09:00:00	67.4	1632.9	34.0	2.1	0.0	8.9
02/21/15	10:00:00	68.2	1633.0	33.8	2.1	0.0	9.0
02/21/15	11:00:00	69.3	1633.1	33.7	2.1	0.0	9.1
02/21/15	12:00:00	71.0	1633.2	33.7	2.1	0.0	9.2
02/21/15	13:00:00	74.3	1633.3	34.0	2.0	0.0	9.3
02/21/15	14:00:00	77.9	1633.1	34.5	2.0	0.0	9.4
02/21/15	15:00:00	80.0	1632.7	35.2	1.8	0.0	9.4
02/21/15	16:00:00	80.1	1632.5	35.9	1.8	0.0	9.5
02/21/15	17:00:00	78.5	1632.8	36.1	1.9	0.0	9.6
02/21/15	18:00:00	76.2	1632.6	36.2	1.9	0.0	9.7
02/21/15	19:00:00	72.0	1632.5	35.9	1.9	0.0	9.7
02/21/15	20:00:00	68.7	1632.7	35.5	1.9	0.0	9.8
02/21/15	21:00:00	66.9	1632.7	35.0	2.0	0.0	9.9
02/21/15	22:00:00	65.6	1632.7	34.5	2.0	0.0	10.0
02/21/15	23:00:00	64.5	1632.7	34.1	2.0	0.0	10.1

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :	TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure		
02/22/15	00:00:00	64.0	1632.8	33.7	2.0	0.0
02/22/15	01:00:00	65.1	1632.9	33.4	2.0	10.2
02/22/15	02:00:00	65.2	1633.0	33.3	1.9	10.3
02/22/15	03:00:00	65.9	1633.0	33.1	1.9	10.4
02/22/15	04:00:00	66.3	1633.0	33.0	1.9	10.5
02/22/15	05:00:00	64.1	1632.9	32.8	2.0	10.6
02/22/15	06:00:00	61.8	1632.9	32.4	2.0	10.6
02/22/15	07:00:00	61.2	1632.9	32.0	2.0	10.7
02/22/15	08:00:00	61.9	1633.0	31.7	2.0	10.8
02/22/15	09:00:00	66.8	1633.0	31.8	2.0	10.9
02/22/15	10:00:00	72.3	1633.4	32.3	2.0	11.0
02/22/15	11:00:00	76.6	1633.4	32.8	1.9	11.0
02/22/15	12:00:00	80.5	1633.4	33.6	1.8	11.1
02/22/15	13:00:00	83.8	1633.7	34.5	1.9	11.2
02/22/15	14:00:00	84.3	1633.9	35.2	1.9	11.3
02/22/15	15:00:00	83.0	1634.0	35.8	1.9	11.4
02/22/15	16:00:00	82.0	1633.9	36.2	1.9	11.4
02/22/15	17:00:00	78.9	1634.2	36.3	2.0	11.5
02/22/15	18:00:00	75.3	1634.0	36.0	2.0	11.6
02/22/15	19:00:00	72.2	1634.1	35.6	2.0	11.7
02/22/15	20:00:00	70.3	1634.2	35.1	2.1	11.8
02/22/15	21:00:00	67.8	1634.3	34.5	2.1	11.9
02/22/15	22:00:00	65.5	1634.4	33.9	2.2	12.0
02/22/15	23:00:00	64.9	1634.4	33.3	2.2	12.0
02/23/15	00:00:00	65.7	1634.5	32.9	2.1	12.1
02/23/15	01:00:00	65.1	1634.5	32.5	2.1	12.2
02/23/15	02:00:00	64.5	1634.6	32.1	2.2	12.3
02/23/15	03:00:00	63.4	1634.6	31.8	2.2	12.4
02/23/15	04:00:00	62.3	1634.6	31.3	2.2	12.5
02/23/15	05:00:00	61.1	1634.6	30.9	2.2	12.6
02/23/15	06:00:00	60.5	1634.7	30.6	2.1	12.7
02/23/15	07:00:00	59.8	1634.7	30.3	2.1	12.8
02/23/15	08:00:00	59.8	1634.8	30.0	2.1	12.8
02/23/15	09:00:00	65.0	1634.9	30.1	2.1	12.9
02/23/15	10:00:00	70.5	1634.9	30.6	2.0	13.0
02/23/15	11:00:00	75.8	1634.9	31.2	2.0	13.1
02/23/15	12:00:00	79.0	1634.9	32.1	1.9	13.2
02/23/15	13:00:00	82.7	1635.1	33.0	1.9	13.3
02/23/15	14:00:00	85.1	1635.1	34.0	1.9	13.3
02/23/15	15:00:00	83.5	1637.3	34.6	2.7	13.5
02/23/15	16:00:00	82.5	1640.2	34.0	3.5	13.6
02/23/15	17:00:00	80.1	1641.8	33.2	3.6	13.7
02/23/15	18:00:00	76.3	1642.4	32.3	3.7	13.9
02/23/15	19:00:00	71.9	1642.8	31.1	3.6	14.1
02/23/15	20:00:00	68.2	1640.5	30.3	2.6	14.2
02/23/15	21:00:00	67.3	1640.9	30.3	3.1	14.3
02/23/15	22:00:00	66.5	1642.5	29.2	3.6	14.4
02/23/15	23:00:00	63.4	1642.8	28.0	3.6	14.6
02/24/15	00:00:00	60.8	1643.0	26.9	3.6	14.7
02/24/15	01:00:00	58.1	1643.0	25.9	3.5	14.9
02/24/15	02:00:00	57.8	1643.2	25.2	3.5	15.0
02/24/15	03:00:00	57.2	1643.2	24.5	3.5	15.2
02/24/15	04:00:00	56.2	1643.1	23.9	3.4	15.3
02/24/15	05:00:00	55.9	1643.2	23.4	3.4	15.5
02/24/15	06:00:00	56.8	1643.3	23.0	3.5	15.6
02/24/15	07:00:00	56.2	1643.3	22.6	3.5	15.8
02/24/15	08:00:00	57.2	1643.6	22.2	3.5	15.9
02/24/15	09:00:00	62.5	1643.5	22.3	3.4	16.0
02/24/15	10:00:00	68.7	1643.7	22.8	3.4	16.2
02/24/15	11:00:00	74.1	1643.7	23.4	3.4	16.3
02/24/15	12:00:00	78.3	1644.2	24.3	3.4	16.5
02/24/15	13:00:00	81.9	1645.0	25.2	3.6	16.6
02/24/15	14:00:00	83.9	1649.5	25.8	4.8	16.8
02/24/15	15:00:00	85.4	1650.7	26.5	4.8	17.0
02/24/15	16:00:00	85.9	1651.2	27.3	4.7	17.2
02/24/15	17:00:00	86.4	1652.5	27.9	4.8	17.4
02/24/15	18:00:00	84.2	1651.6	28.5	4.4	17.6

### Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :	TIT-002 I/W	PIT-012 I/W Well	PIT-018 I/W Well	FE-004 Injection Gas	FE-009 Air Flow to	Cumulative Net	
	Manifold	Tubing	Annulus	Flow Rate	Atmosphere	Injection	
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
02/24/15	19:00:00	79.5	1652.2	28.6	4.7	0.0	17.8
02/24/15	20:00:00	76.5	1653.1	28.1	4.9	0.0	18.0
02/24/15	21:00:00	73.1	1653.3	27.5	4.8	0.0	18.2
02/24/15	22:00:00	71.5	1653.5	26.8	4.9	0.0	18.4
02/24/15	23:00:00	70.7	1653.7	26.3	4.8	0.0	18.6
02/25/15	00:00:00	67.2	1653.8	25.6	4.9	0.0	18.8
02/25/15	01:00:00	65.9	1654.1	24.8	5.0	0.0	19.0
02/25/15	02:00:00	63.6	1654.2	24.1	5.0	0.0	19.2
02/25/15	03:00:00	60.7	1654.2	23.2	5.0	0.0	19.4
02/25/15	04:00:00	60.5	1654.2	22.4	4.9	0.0	19.6
02/25/15	05:00:00	60.3	1654.1	22.0	4.9	0.0	19.8
02/25/15	06:00:00	58.9	1654.1	21.4	4.9	0.0	20.0
02/25/15	07:00:00	58.6	1654.1	20.9	4.9	0.0	20.2
02/25/15	08:00:00	58.6	1654.2	20.5	4.9	0.0	20.5
02/25/15	09:00:00	63.6	1654.3	20.5	4.9	0.0	20.7
02/25/15	10:00:00	68.7	1654.5	20.8	4.8	0.0	20.9
02/25/15	11:00:00	73.7	1650.5	21.8	3.4	0.0	21.0
02/25/15	12:00:00	78.3	1649.8	23.2	3.4	0.0	21.1
02/25/15	13:00:00	83.2	1648.7	24.6	2.7	0.0	21.3
02/25/15	14:00:00	91.6	1640.9	26.7	0.0	0.0	21.3
02/25/15	15:00:00	88.8	1638.3	28.8	0.0	0.0	21.3
02/25/15	16:00:00	81.4	1636.9	30.8	0.0	0.0	21.3
02/25/15	17:00:00	83.4	1636.0	32.5	0.2	0.1	21.3
02/25/15	18:00:00	76.3	1639.9	33.3	2.4	0.0	21.4
02/25/15	19:00:00	75.7	1646.3	32.1	4.3	0.0	21.5
02/25/15	20:00:00	76.2	1652.9	30.2	5.6	0.0	21.8
02/25/15	21:00:00	74.7	1654.7	28.8	5.5	0.0	22.0
02/25/15	22:00:00	72.2	1655.3	27.7	5.4	0.0	22.2
02/25/15	23:00:00	74.7	1656.0	27.1	5.3	0.0	22.4
02/26/15	00:00:00	70.5	1656.6	26.5	5.4	0.0	22.7
02/26/15	01:00:00	68.3	1657.4	25.6	5.5	0.0	22.9
02/26/15	02:00:00	66.2	1657.8	24.7	5.6	0.0	23.1
02/26/15	03:00:00	65.5	1658.0	23.9	5.5	0.0	23.4
02/26/15	04:00:00	66.6	1658.4	23.4	5.5	0.0	23.6
02/26/15	05:00:00	63.5	1658.5	22.8	5.6	0.0	23.8
02/26/15	06:00:00	61.4	1658.8	22.0	5.7	0.0	24.1
02/26/15	07:00:00	60.7	1659.0	21.4	5.6	0.0	24.3
02/26/15	08:00:00	62.2	1659.2	21.0	5.6	0.0	24.5
02/26/15	09:00:00	67.5	1659.2	21.0	5.5	0.0	24.8
02/26/15	10:00:00	73.4	1659.2	21.6	5.3	0.0	25.0
02/26/15	11:00:00	79.5	1659.3	22.6	5.2	0.0	25.2
02/26/15	12:00:00	85.1	1660.4	24.0	5.5	0.0	25.4
02/26/15	13:00:00	89.5	1657.6	25.7	4.2	0.0	25.6
02/26/15	14:00:00	92.8	1660.0	27.6	5.1	0.0	25.8
02/26/15	15:00:00	90.8	1647.7	29.4	0.0	0.0	25.8
02/26/15	16:00:00	85.7	1644.1	31.4	0.0	0.0	25.8
02/26/15	17:00:00	80.7	1642.4	33.1	0.0	0.0	25.8
02/26/15	18:00:00	81.8	1645.7	34.4	2.5	0.0	25.9
02/26/15	19:00:00	83.0	1655.3	33.6	5.4	0.0	26.1
02/26/15	20:00:00	83.4	1657.7	32.8	5.5	0.0	26.4
02/26/15	21:00:00	82.3	1659.0	32.4	5.5	0.0	26.6
02/26/15	22:00:00	80.8	1659.8	32.0	5.5	0.0	26.8
02/26/15	23:00:00	78.7	1660.6	31.5	5.5	0.0	27.1
02/27/15	00:00:00	78.0	1661.0	31.0	5.5	0.0	27.3
02/27/15	01:00:00	77.4	1661.5	30.7	5.5	0.0	27.5
02/27/15	02:00:00	76.8	1661.9	30.3	5.5	0.0	27.8
02/27/15	03:00:00	76.4	1662.4	30.0	5.6	0.0	28.0
02/27/15	04:00:00	75.9	1662.7	29.8	5.6	0.0	28.2
02/27/15	05:00:00	75.4	1662.9	29.5	5.6	0.0	28.5
02/27/15	06:00:00	75.3	1662.7	29.3	5.5	0.0	28.7
02/27/15	07:00:00	74.8	1661.2	29.3	4.8	0.0	28.9
02/27/15	08:00:00	75.7	1660.3	29.7	4.6	0.0	29.1
02/27/15	09:00:00	79.1	1662.3	30.0	5.4	0.0	29.3
02/27/15	10:00:00	82.9	1662.9	30.6	5.4	0.0	29.5
02/27/15	11:00:00	85.7	1663.3	31.5	5.4	0.0	29.8
02/27/15	12:00:00	87.2	1663.7	32.5	5.4	0.0	30.0
02/27/15	13:00:00	88.9	1664.1	33.7	5.4	0.0	30.2

### Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :	TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure		
02/27/15	14:00:00	88.7	1664.5	34.7	5.4	0.0
02/27/15	15:00:00	88.1	1665.1	35.4	5.5	0.0
02/27/15	16:00:00	86.8	1665.3	36.0	5.5	0.0
02/27/15	17:00:00	83.7	1665.8	36.0	5.6	0.0
02/27/15	18:00:00	80.7	1665.7	35.7	5.5	0.0
02/27/15	19:00:00	78.0	1665.8	35.1	5.6	0.0
02/27/15	20:00:00	76.1	1666.6	34.2	5.8	0.0
02/27/15	21:00:00	75.1	1666.9	33.5	5.8	0.0
02/27/15	22:00:00	74.3	1667.0	32.8	5.8	0.0
02/27/15	23:00:00	73.4	1667.2	32.2	5.8	0.0
02/28/15	00:00:00	73.3	1667.2	31.7	5.8	0.0
02/28/15	01:00:00	73.6	1667.3	31.3	5.7	0.0
02/28/15	02:00:00	73.6	1667.4	31.1	5.7	0.0
02/28/15	03:00:00	72.6	1665.2	30.9	4.9	0.0
02/28/15	04:00:00	73.0	1667.3	30.7	5.7	0.0
02/28/15	05:00:00	73.0	1667.4	30.4	5.7	0.0
02/28/15	06:00:00	71.2	1667.6	30.0	5.7	0.0
02/28/15	07:00:00	71.4	1667.8	29.6	5.7	0.0
02/28/15	08:00:00	70.1	1667.9	29.1	5.7	0.0
02/28/15	09:00:00	73.2	1668.0	29.1	5.6	0.0
02/28/15	10:00:00	73.7	1667.8	29.3	5.5	0.0
02/28/15	11:00:00	78.5	1668.0	29.8	5.5	0.0
02/28/15	12:00:00	83.8	1669.3	30.7	5.8	0.0
02/28/15	13:00:00	85.3	1669.9	31.9	6.0	0.0
02/28/15	14:00:00	81.7	1670.4	32.4	6.1	0.0
02/28/15	15:00:00	79.8	1671.2	32.4	6.1	0.0
02/28/15	16:00:00	82.2	1671.3	32.8	6.1	0.0
02/28/15	17:00:00	79.5	1671.5	32.9	6.2	0.0
02/28/15	18:00:00	80.6	1671.8	33.0	6.2	0.0
02/28/15	19:00:00	74.8	1672.1	32.6	6.2	0.0
02/28/15	20:00:00	71.8	1672.0	31.6	6.2	0.0
02/28/15	21:00:00	71.3	1672.1	31.0	6.2	0.0
02/28/15	22:00:00	70.9	1672.0	30.4	6.1	0.0
02/28/15	23:00:00	70.2	1672.0	29.9	6.0	0.0
03/01/15	00:00:00	67.4	1670.5	29.4	5.6	0.0
03/01/15	01:00:00	66.3	1671.8	28.6	6.1	0.0
03/01/15	02:00:00	64.0	1667.6	28.2	4.4	0.0
03/01/15	03:00:00	63.2	1665.7	28.5	4.1	0.0
03/01/15	04:00:00	62.4	1665.0	28.5	4.1	0.0
03/01/15	05:00:00	63.7	1664.7	28.5	4.1	0.0
03/01/15	06:00:00	62.0	1664.2	28.4	4.0	0.0
03/01/15	07:00:00	61.2	1664.1	28.2	4.1	0.0
03/01/15	08:00:00	63.0	1663.9	28.0	4.1	0.0
03/01/15	09:00:00	70.1	1667.5	28.2	5.5	0.0
03/01/15	10:00:00	73.9	1669.4	28.1	5.7	0.0
03/01/15	11:00:00	76.4	1669.8	28.3	5.6	0.0
03/01/15	12:00:00	78.5	1670.1	28.9	5.5	0.0
03/01/15	13:00:00	81.6	1670.9	29.8	5.7	0.0
03/01/15	14:00:00	83.8	1671.6	30.7	5.8	0.0
03/01/15	15:00:00	84.9	1672.1	31.5	5.8	0.0
03/01/15	16:00:00	85.1	1672.4	32.3	5.8	0.0
03/01/15	17:00:00	85.0	1672.8	33.1	5.8	0.0
03/01/15	18:00:00	83.4	1673.2	33.5	5.9	0.0
03/01/15	19:00:00	82.6	1673.7	33.8	6.0	0.0
03/01/15	20:00:00	79.1	1673.9	33.7	6.0	0.0
03/01/15	21:00:00	76.5	1674.1	33.2	6.0	0.0
03/01/15	22:00:00	74.9	1674.3	32.7	6.0	0.0
03/01/15	23:00:00	74.2	1674.5	32.2	6.1	0.0
03/02/15	00:00:00	71.9	1674.7	31.6	6.1	0.0
03/02/15	01:00:00	70.2	1675.0	30.8	6.2	0.0
03/02/15	02:00:00	69.8	1675.0	30.2	6.1	0.0
03/02/15	03:00:00	72.1	1675.2	29.9	6.1	0.0
03/02/15	04:00:00	70.8	1675.4	29.6	6.2	0.0
03/02/15	05:00:00	71.0	1675.6	29.3	6.1	0.0
03/02/15	06:00:00	72.1	1675.7	29.2	6.1	0.0
03/02/15	07:00:00	71.9	1675.9	29.0	6.1	0.0

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :	TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure		
03/02/15	08:00:00	72.4	1676.0	28.9	6.1	0.0
03/02/15	09:00:00	75.6	1676.2	29.1	6.0	0.0
03/02/15	10:00:00	80.3	1676.2	29.9	5.9	0.0
03/02/15	11:00:00	83.4	1676.5	30.9	6.0	0.0
03/02/15	12:00:00	87.0	1677.1	32.3	6.0	0.0
03/02/15	13:00:00	88.1	1677.3	33.7	6.0	0.0
03/02/15	14:00:00	89.0	1676.2	35.0	5.3	0.0
03/02/15	15:00:00	87.4	1671.3	36.2	3.7	0.0
03/02/15	16:00:00	81.2	1670.8	36.7	4.0	0.0
03/02/15	17:00:00	79.1	1676.1	36.1	5.9	0.0
03/02/15	18:00:00	77.5	1676.7	35.6	5.9	0.0
03/02/15	19:00:00	73.3	1677.0	34.6	6.0	0.0
03/02/15	20:00:00	72.6	1677.3	33.6	6.0	0.0
03/02/15	21:00:00	71.2	1677.6	32.9	6.0	0.0
03/02/15	22:00:00	70.0	1677.6	32.1	6.0	0.0
03/02/15	23:00:00	71.0	1677.7	31.6	6.0	0.0
03/03/15	00:00:00	68.2	1677.9	31.0	6.1	0.0
03/03/15	01:00:00	66.3	1678.1	30.1	6.1	0.0
03/03/15	02:00:00	65.7	1678.3	29.3	6.2	0.0
03/03/15	03:00:00	64.0	1678.1	28.6	6.1	0.0
03/03/15	04:00:00	62.0	1678.1	27.8	6.1	0.0
03/03/15	05:00:00	62.4	1678.1	27.2	6.0	0.0
03/03/15	06:00:00	63.1	1677.9	26.7	5.9	0.0
03/03/15	07:00:00	60.5	1676.7	26.4	5.6	0.0
03/03/15	08:00:00	58.7	1670.8	26.6	2.2	0.0
03/03/15	09:00:00	55.5	1663.8	29.5	0.0	0.0
03/03/15	10:00:00	61.6	1661.9	31.8	0.0	0.0
03/03/15	11:00:00	74.9	1660.6	33.7	0.0	0.0
03/03/15	12:00:00	80.7	1659.6	35.5	0.0	0.0
03/03/15	13:00:00	84.4	1659.0	37.2	0.0	0.0
03/03/15	14:00:00	86.0	1658.3	38.7	0.0	0.0
03/03/15	15:00:00	90.1	1657.7	40.0	2.0	1.9
03/03/15	16:00:00	84.2	1657.0	41.2	3.6	3.6
03/03/15	17:00:00	79.6	1657.9	42.3	3.1	2.2
03/03/15	18:00:00	80.2	1664.2	41.6	3.8	0.0
03/03/15	19:00:00	76.0	1668.2	39.8	5.0	0.0
03/03/15	20:00:00	73.7	1671.6	37.3	5.7	0.0
03/03/15	21:00:00	72.7	1672.7	35.6	5.8	0.0
03/03/15	22:00:00	72.4	1673.5	34.3	5.8	0.0
03/03/15	23:00:00	71.6	1674.1	33.3	5.8	0.0
03/04/15	00:00:00	70.6	1674.6	32.4	5.8	0.0
03/04/15	01:00:00	67.8	1675.3	31.4	6.0	0.0
03/04/15	02:00:00	64.7	1675.6	30.2	5.9	0.0
03/04/15	03:00:00	63.8	1674.6	29.3	5.4	0.0
03/04/15	04:00:00	62.0	1676.2	28.4	6.1	0.0
03/04/15	05:00:00	61.9	1676.6	27.4	6.1	0.0
03/04/15	06:00:00	63.9	1676.9	26.9	6.0	0.0
03/04/15	07:00:00	62.3	1677.0	26.3	6.0	0.0
03/04/15	08:00:00	62.7	1677.3	25.8	6.0	0.0
03/04/15	09:00:00	67.9	1677.4	26.0	6.0	0.0
03/04/15	10:00:00	72.9	1677.7	26.4	5.9	0.0
03/04/15	11:00:00	77.8	1678.0	27.1	5.8	0.0
03/04/15	12:00:00	80.9	1678.5	28.1	5.8	0.0
03/04/15	13:00:00	84.4	1678.9	29.5	5.8	0.0
03/04/15	14:00:00	87.1	1679.5	30.8	5.8	0.0
03/04/15	15:00:00	87.5	1680.1	32.0	5.8	0.0
03/04/15	16:00:00	87.2	1680.4	33.0	5.9	0.0
03/04/15	17:00:00	85.7	1680.9	33.9	5.9	0.0
03/04/15	18:00:00	83.1	1681.4	34.2	6.1	0.0
03/04/15	19:00:00	80.5	1681.8	34.1	6.2	0.0
03/04/15	20:00:00	77.5	1681.8	33.8	6.0	0.0
03/04/15	21:00:00	75.5	1682.1	33.4	6.1	0.0
03/04/15	22:00:00	74.3	1682.1	32.8	6.1	0.0
03/04/15	23:00:00	71.0	1682.1	32.2	6.0	0.0
03/05/15	00:00:00	69.0	1681.9	31.4	5.9	0.0
03/05/15	01:00:00	66.9	1682.0	30.6	6.0	0.0
03/05/15	02:00:00	64.9	1682.1	29.8	6.0	0.0

### Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :	TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure		
03/05/15	03:00:00	64.6	1682.1	29.0	6.0	0.0
03/05/15	04:00:00	64.2	1682.3	28.4	6.1	0.0
03/05/15	05:00:00	61.5	1682.3	27.7	6.1	0.0
03/05/15	06:00:00	59.7	1682.2	26.9	6.1	0.0
03/05/15	07:00:00	58.8	1682.2	26.1	6.1	0.0
03/05/15	08:00:00	61.8	1682.3	25.7	6.0	0.0
03/05/15	09:00:00	68.5	1682.4	26.1	5.9	0.0
03/05/15	10:00:00	74.4	1682.9	26.8	6.0	0.0
03/05/15	11:00:00	79.4	1683.1	27.7	6.0	0.0
03/05/15	12:00:00	83.7	1683.5	29.0	5.9	0.0
03/05/15	13:00:00	86.4	1683.7	30.6	5.8	0.0
03/05/15	14:00:00	89.1	1682.9	32.3	5.3	0.0
03/05/15	15:00:00	90.8	1684.7	33.8	5.9	0.0
03/05/15	16:00:00	91.0	1685.2	35.2	6.0	0.0
03/05/15	17:00:00	89.2	1685.7	36.2	6.1	0.0
03/05/15	18:00:00	86.4	1686.2	36.8	6.2	0.0
03/05/15	19:00:00	82.9	1686.6	36.8	6.2	0.0
03/05/15	20:00:00	79.2	1686.5	36.4	6.1	0.0
03/05/15	21:00:00	77.3	1686.4	35.9	6.0	0.0
03/05/15	22:00:00	74.4	1686.5	35.3	6.0	0.0
03/05/15	23:00:00	72.4	1686.5	34.5	6.1	0.0
03/06/15	00:00:00	70.9	1686.5	33.7	6.0	0.0
03/06/15	01:00:00	68.7	1686.4	32.8	6.0	0.0
03/06/15	02:00:00	68.7	1686.5	32.2	6.0	0.0
03/06/15	03:00:00	69.4	1686.6	31.7	6.1	0.0
03/06/15	04:00:00	67.4	1686.6	31.1	6.1	0.0
03/06/15	05:00:00	65.0	1686.7	30.4	6.1	0.0
03/06/15	06:00:00	62.6	1686.5	29.5	6.1	0.0
03/06/15	07:00:00	62.1	1686.5	28.7	6.1	0.0
03/06/15	08:00:00	63.8	1686.5	28.3	6.0	0.0
03/06/15	09:00:00	68.4	1686.1	28.5	5.8	0.0
03/06/15	10:00:00	73.3	1686.6	29.0	5.9	0.0
03/06/15	11:00:00	80.3	1687.1	29.9	6.0	0.0
03/06/15	12:00:00	85.6	1685.1	31.5	5.1	0.0
03/06/15	13:00:00	89.6	1687.5	33.4	5.8	0.0
03/06/15	14:00:00	93.1	1688.0	35.4	5.8	0.0
03/06/15	15:00:00	94.5	1688.5	37.2	5.8	0.0
03/06/15	16:00:00	94.3	1688.9	38.9	5.9	0.0
03/06/15	17:00:00	93.4	1689.4	40.3	5.9	0.0
03/06/15	18:00:00	91.0	1689.7	41.3	6.0	0.0
03/06/15	19:00:00	86.2	1690.1	41.4	6.1	0.0
03/06/15	20:00:00	84.8	1690.3	41.3	6.1	0.0
03/06/15	21:00:00	81.3	1690.4	40.9	6.1	0.0
03/06/15	22:00:00	79.4	1690.5	40.3	6.1	0.0
03/06/15	23:00:00	75.7	1690.4	39.3	6.0	0.0
03/07/15	00:00:00	73.4	1690.3	38.3	6.0	0.0
03/07/15	01:00:00	71.6	1690.4	37.3	6.1	0.0
03/07/15	02:00:00	70.7	1690.3	36.3	6.0	0.0
03/07/15	03:00:00	70.4	1690.3	35.5	6.1	0.0
03/07/15	04:00:00	71.5	1690.4	35.0	6.1	0.0
03/07/15	05:00:00	68.0	1690.3	34.3	6.1	0.0
03/07/15	06:00:00	65.4	1690.1	33.3	6.0	0.0
03/07/15	07:00:00	63.8	1690.0	32.3	6.0	0.0
03/07/15	08:00:00	66.8	1690.3	31.8	6.0	0.0
03/07/15	09:00:00	74.3	1690.3	32.3	5.9	0.0
03/07/15	10:00:00	81.0	1690.5	33.4	5.8	0.0
03/07/15	11:00:00	85.6	1690.7	34.7	5.8	0.0
03/07/15	12:00:00	89.5	1691.4	36.5	6.0	0.0
03/07/15	13:00:00	91.7	1692.0	38.5	6.0	0.0
03/07/15	14:00:00	93.8	1692.4	40.6	6.0	0.0
03/07/15	15:00:00	94.6	1692.8	42.4	5.9	0.0
03/07/15	16:00:00	94.3	1693.0	43.9	6.0	0.0
03/07/15	17:00:00	93.3	1693.3	45.3	6.0	0.0
03/07/15	18:00:00	91.1	1693.3	46.0	6.0	0.0
03/07/15	19:00:00	86.3	1693.7	46.0	6.1	0.0
03/07/15	20:00:00	82.0	1693.7	45.2	6.0	0.0
03/07/15	21:00:00	80.8	1693.8	44.5	6.0	0.0

### Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :	TIT-002 I/W	PIT-012 I/W Well	PIT-018 I/W Well	FE-004 Injection Gas	FE-009 Air Flow to	Cumulative Net	
	Manifold	Tubing	Annulus	Flow Rate	Atmosphere	Injection	
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
03/07/15	22:00:00	79.1	1693.9	43.7	6.1	0.0	76.7
03/07/15	23:00:00	76.5	1693.8	42.7	6.0	0.0	76.9
03/08/15	00:00:00	74.7	1693.8	41.7	6.0	0.0	77.2
03/08/15	01:00:00	73.8	1693.8	40.7	6.0	0.0	77.4
03/08/15	02:00:00	(1)	(1)	(1)	(1)	(1)	77.4
03/08/15	03:00:00	72.3	1693.9	39.8	6.0	0.0	77.7
03/08/15	04:00:00	70.7	1693.7	38.7	6.0	0.0	77.9
03/08/15	05:00:00	69.4	1693.6	37.8	5.9	0.0	78.2
03/08/15	06:00:00	66.5	1693.6	36.7	6.0	0.0	78.4
03/08/15	07:00:00	66.0	1693.5	35.6	6.0	0.0	78.7
03/08/15	08:00:00	62.5	1693.5	34.4	6.1	0.0	78.9
03/08/15	09:00:00	65.7	1693.6	33.6	6.0	0.0	79.2
03/08/15	10:00:00	71.5	1693.5	33.8	5.9	0.0	79.4
03/08/15	11:00:00	79.0	1693.4	34.7	5.7	0.0	79.7
03/08/15	12:00:00	84.7	1693.9	36.1	5.8	0.0	79.9
03/08/15	13:00:00	89.3	1694.3	37.8	5.9	0.0	80.1
03/08/15	14:00:00	94.1	1694.8	40.2	5.8	0.0	80.4
03/08/15	15:00:00	96.6	1695.2	42.6	5.7	0.0	80.6
03/08/15	16:00:00	97.7	1695.8	44.9	5.9	0.0	80.9
03/08/15	17:00:00	98.0	1696.1	47.0	5.9	0.0	81.1
03/08/15	18:00:00	96.9	1696.5	48.8	6.0	0.0	81.4
03/08/15	19:00:00	92.6	1696.8	49.7	6.1	0.0	81.6
03/08/15	20:00:00	87.4	1696.8	49.5	6.0	0.0	81.9
03/08/15	21:00:00	84.5	1697.0	48.7	6.0	0.0	82.1
03/08/15	22:00:00	81.4	1697.2	47.8	6.1	0.0	82.4
03/08/15	23:00:00	80.1	1697.2	46.7	6.0	0.0	82.6
03/09/15	00:00:00	78.7	1697.2	45.9	6.0	0.0	82.9
03/09/15	01:00:00	75.7	1697.1	44.7	6.0	0.0	83.1
03/09/15	02:00:00	73.3	1697.0	43.4	5.9	0.0	83.4
03/09/15	03:00:00	72.4	1697.0	42.2	6.0	0.0	83.6
03/09/15	04:00:00	71.7	1697.1	41.1	6.0	0.0	83.9
03/09/15	05:00:00	72.2	1697.2	40.3	6.1	0.0	84.1
03/09/15	06:00:00	69.5	1697.1	39.2	6.1	0.0	84.4
03/09/15	07:00:00	67.8	1697.1	38.1	6.1	0.0	84.6
03/09/15	08:00:00	67.1	1697.1	37.1	6.0	0.0	84.9
03/09/15	09:00:00	70.9	1697.3	36.7	6.1	0.0	85.1
03/09/15	10:00:00	76.8	1697.3	37.2	5.9	0.0	85.4
03/09/15	11:00:00	81.4	1697.3	38.1	5.8	0.0	85.6
03/09/15	12:00:00	86.1	1697.5	39.5	5.8	0.0	85.9
03/09/15	13:00:00	89.8	1697.7	41.2	5.7	0.0	86.1
03/09/15	14:00:00	94.0	1698.1	43.6	5.7	0.0	86.3
03/09/15	15:00:00	96.7	1698.6	46.1	5.8	0.0	86.6
03/09/15	16:00:00	97.3	1699.1	48.3	5.9	0.0	86.8
03/09/15	17:00:00	96.8	1699.3	50.3	5.8	0.0	87.1
03/09/15	18:00:00	95.7	1699.8	51.8	5.9	0.0	87.3
03/09/15	19:00:00	93.2	1700.0	52.7	6.0	0.0	87.6
03/09/15	20:00:00	90.4	1699.9	53.0	5.9	0.0	87.8
03/09/15	21:00:00	85.4	1700.1	52.3	5.9	0.0	88.1
03/09/15	22:00:00	82.2	1700.5	51.3	6.1	0.0	88.3
03/09/15	23:00:00	79.0	1700.6	49.6	6.1	0.0	88.6
03/10/15	00:00:00	78.2	1700.6	48.4	6.1	0.0	88.8
03/10/15	01:00:00	76.1	1700.6	47.1	6.1	0.0	89.1
03/10/15	02:00:00	74.8	1700.6	45.8	6.1	0.0	89.3
03/10/15	03:00:00	74.1	1699.7	44.7	5.7	0.0	89.6
03/10/15	04:00:00	72.6	1699.3	43.8	5.7	0.0	89.8
03/10/15	05:00:00	71.9	1698.9	43.0	5.5	0.0	90.0
03/10/15	06:00:00	70.2	1698.9	42.1	5.5	0.0	90.3
03/10/15	07:00:00	69.0	1698.5	41.1	5.4	0.0	90.5
03/10/15	08:00:00	66.2	1698.0	39.9	5.0	0.0	90.7
03/10/15	09:00:00	68.5	1694.6	40.1	4.0	0.0	90.9
03/10/15	10:00:00	76.6	1698.8	40.6	5.8	0.0	91.1
03/10/15	11:00:00	82.7	1699.9	41.2	6.0	0.0	91.4
03/10/15	12:00:00	87.5	1699.3	42.7	5.5	0.0	91.6
03/10/15	13:00:00	92.1	1700.3	44.5	5.8	0.0	91.8
03/10/15	14:00:00	95.3	1700.9	46.9	5.8	0.0	92.1
03/10/15	15:00:00	99.3	1701.1	49.5	5.7	0.0	92.3
03/10/15	16:00:00	96.9	1702.2	51.7	6.1	0.0	92.6

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :		TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure			
03/10/15	17:00:00	94.5	1702.2	52.9	5.9	0.0	92.8
03/10/15	18:00:00	93.4	1702.3	54.0	5.8	0.0	93.1
03/10/15	19:00:00	90.4	1705.1	54.3	6.8	0.0	93.3
03/10/15	20:00:00	87.0	1708.2	53.9	7.7	0.0	93.7
03/10/15	21:00:00	83.4	1703.7	52.9	5.9	0.0	93.9
03/10/15	22:00:00	80.2	1701.5	51.8	5.0	0.0	94.1
03/10/15	23:00:00	80.0	1698.6	51.5	3.9	0.0	94.3
03/11/15	00:00:00	79.7	1700.4	51.0	5.1	0.0	94.5
03/11/15	01:00:00	78.6	1706.7	49.5	7.4	0.0	94.8
03/11/15	02:00:00	79.5	1703.5	48.4	5.9	0.0	95.0
03/11/15	03:00:00	79.6	1702.8	48.1	5.7	0.0	95.3
03/11/15	04:00:00	78.8	1704.9	47.7	6.5	0.0	95.5
03/11/15	05:00:00	77.5	1706.3	46.4	6.8	0.0	95.8
03/11/15	06:00:00	77.8	1703.3	46.1	5.7	0.0	96.1
03/11/15	07:00:00	75.3	1703.1	45.6	5.7	0.0	96.3
03/11/15	08:00:00	74.3	1701.2	44.9	4.8	0.0	96.5
03/11/15	09:00:00	72.9	1703.0	44.4	5.8	0.0	96.8
03/11/15	10:00:00	75.9	1703.8	43.6	6.0	0.0	97.0
03/11/15	11:00:00	83.4	1706.9	44.2	7.0	0.0	97.3
03/11/15	12:00:00	87.2	1708.4	45.4	7.2	0.0	97.6
03/11/15	13:00:00	84.4	1705.5	46.1	6.1	0.0	97.8
03/11/15	14:00:00	84.1	1705.6	46.6	6.1	0.0	98.1
03/11/15	15:00:00	85.3	1710.9	47.1	7.9	0.0	98.4
03/11/15	16:00:00	87.8	1708.2	48.1	6.6	0.0	98.7
03/11/15	17:00:00	86.5	1706.7	48.9	6.1	0.0	99.0
03/11/15	18:00:00	87.2	1707.0	49.7	6.2	0.0	99.2
03/11/15	19:00:00	86.3	1707.4	50.1	6.3	0.0	99.5
03/11/15	20:00:00	83.9	1707.5	50.1	6.4	0.0	99.8
03/11/15	21:00:00	79.5	1707.6	49.3	6.4	0.0	100.0
03/11/15	22:00:00	76.7	1707.3	48.0	6.3	0.0	100.3
03/11/15	23:00:00	76.9	1706.9	47.1	6.1	0.0	100.5
03/12/15	00:00:00	73.8	1707.0	45.9	6.2	0.0	100.8
03/12/15	01:00:00	73.1	1707.3	44.7	6.3	0.0	101.1
03/12/15	02:00:00	72.6	1707.6	43.6	6.4	0.0	101.3
03/12/15	03:00:00	71.7	1707.7	42.5	6.4	0.0	101.6
03/12/15	04:00:00	71.3	1707.7	41.6	6.4	0.0	101.9
03/12/15	05:00:00	71.6	1707.7	40.9	6.4	0.0	102.1
03/12/15	06:00:00	70.4	1707.7	40.1	6.4	0.0	102.4
03/12/15	07:00:00	69.3	1707.7	39.2	6.4	0.0	102.7
03/12/15	08:00:00	70.5	1707.9	38.5	6.5	0.0	102.9
03/12/15	09:00:00	73.5	1708.0	38.4	6.4	0.0	103.2
03/12/15	10:00:00	79.0	1707.9	39.1	6.2	0.0	103.5
03/12/15	11:00:00	83.7	1708.0	40.3	6.1	0.0	103.7
03/12/15	12:00:00	87.5	1708.4	41.9	6.2	0.0	104.0
03/12/15	13:00:00	91.3	1708.8	43.9	6.2	0.0	104.2
03/12/15	14:00:00	93.9	1709.1	46.2	6.2	0.0	104.5
03/12/15	15:00:00	96.1	1709.6	48.6	6.2	0.0	104.7
03/12/15	16:00:00	97.2	1709.9	51.1	6.2	0.0	105.0
03/12/15	17:00:00	96.7	1710.2	53.2	6.2	0.0	105.3
03/12/15	18:00:00	95.5	1710.4	54.8	6.2	0.0	105.5
03/12/15	19:00:00	94.1	1710.6	56.1	6.3	0.0	105.8
03/12/15	20:00:00	89.9	1710.8	56.4	6.3	0.0	106.0
03/12/15	21:00:00	85.9	1710.9	55.7	6.3	0.0	106.3
03/12/15	22:00:00	84.5	1711.0	54.8	6.3	0.0	106.6
03/12/15	23:00:00	82.5	1714.5	53.8	7.5	0.0	106.9
03/13/15	00:00:00	82.6	1716.3	52.6	8.0	0.0	107.2
03/13/15	01:00:00	82.4	1716.3	52.1	7.7	0.0	107.5
03/13/15	02:00:00	78.0	1710.2	51.1	5.5	0.0	107.8
03/13/15	03:00:00	74.0	1703.4	51.0	2.7	0.0	107.9
03/13/15	04:00:00	76.1	1714.1	49.8	7.6	0.0	108.2
03/13/15	05:00:00	77.3	1712.1	48.4	6.5	0.0	108.5
03/13/15	06:00:00	75.7	1710.2	47.7	5.9	0.0	108.7
03/13/15	07:00:00	75.4	1710.2	46.9	6.0	0.0	109.0
03/13/15	08:00:00	75.0	1710.2	46.3	6.0	0.0	109.2
03/13/15	09:00:00	75.4	1710.2	45.6	5.9	0.0	109.5
03/13/15	10:00:00	81.7	1710.1	46.2	5.8	0.0	109.7
03/13/15	11:00:00	85.7	1711.2	47.5	6.1	0.0	110.0

### Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :	TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure		
03/13/15	12:00:00	90.5	1715.2	48.9	7.4	0.0
03/13/15	13:00:00	95.7	1713.3	51.7	6.6	0.0
03/13/15	14:00:00	99.6	1716.9	55.4	7.6	0.0
03/13/15	15:00:00	103.2	1717.4	59.9	7.4	0.0
03/13/15	16:00:00	103.0	1718.9	64.3	7.7	0.0
03/13/15	17:00:00	102.0	1719.4	68.0	7.8	0.0
03/13/15	18:00:00	99.5	1719.9	70.9	7.8	0.0
03/13/15	19:00:00	96.3	1719.2	72.2	7.5	0.0
03/13/15	20:00:00	93.5	1720.9	72.3	8.0	0.0
03/13/15	21:00:00	88.4	1721.1	70.9	7.9	0.0
03/13/15	22:00:00	87.2	1720.7	69.1	7.8	0.0
03/13/15	23:00:00	86.2	1718.0	67.6	6.7	0.0
03/14/15	00:00:00	86.6	1717.6	66.9	6.7	0.0
03/14/15	01:00:00	85.6	1721.1	65.9	7.9	0.0
03/14/15	02:00:00	83.1	1720.8	64.3	7.7	0.0
03/14/15	03:00:00	81.3	1720.8	62.3	7.7	0.0
03/14/15	04:00:00	81.7	1721.5	60.8	7.9	0.0
03/14/15	05:00:00	78.5	1721.1	58.8	7.8	0.0
03/14/15	06:00:00	79.2	1721.4	57.0	7.8	0.0
03/14/15	07:00:00	78.4	1722.1	55.7	8.0	0.0
03/14/15	08:00:00	76.8	1722.1	53.9	8.0	0.0
03/14/15	09:00:00	80.8	1722.1	53.1	7.9	0.0
03/14/15	10:00:00	85.9	1721.8	54.4	7.7	0.0
03/14/15	11:00:00	89.2	1722.3	56.0	7.7	0.0
03/14/15	12:00:00	90.9	1722.4	57.9	7.6	0.0
03/14/15	13:00:00	100.5	1723.0	62.0	7.7	0.0
03/14/15	14:00:00	106.3	1724.1	68.7	7.8	0.0
03/14/15	15:00:00	112.7	1715.8	74.5	4.2	0.0
03/14/15	16:00:00	115.3	1713.0	77.7	3.4	0.0
03/14/15	17:00:00	113.0	1712.1	80.6	3.4	0.0
03/14/15	18:00:00	109.9	1711.7	82.4	3.6	0.0
03/14/15	19:00:00	102.3	1714.0	83.3	4.9	0.0
03/14/15	20:00:00	98.0	1716.0	83.3	5.6	0.0
03/14/15	21:00:00	93.9	1716.3	82.1	5.7	0.0
03/14/15	22:00:00	91.0	1716.6	80.3	5.8	0.0
03/14/15	23:00:00	91.1	1716.0	78.9	5.5	0.0
03/15/15	00:00:00	86.9	1716.9	76.8	6.1	0.0
03/15/15	01:00:00	84.7	1716.1	74.5	5.6	0.0
03/15/15	02:00:00	83.7	1716.7	72.0	6.0	0.0
03/15/15	03:00:00	83.9	1716.8	70.3	6.0	0.0
03/15/15	04:00:00	82.8	1716.7	68.7	6.0	0.0
03/15/15	05:00:00	81.9	1716.7	67.1	5.9	0.0
03/15/15	06:00:00	81.4	1716.7	65.5	6.0	0.0
03/15/15	07:00:00	82.8	1716.8	64.4	6.0	0.0
03/15/15	08:00:00	82.7	1716.8	63.9	6.0	0.0
03/15/15	09:00:00	81.7	1715.5	62.9	5.4	0.0
03/15/15	10:00:00	87.3	1713.9	63.6	4.8	0.0
03/15/15	11:00:00	91.8	1717.1	65.2	6.1	0.0
03/15/15	12:00:00	94.5	1712.4	67.0	3.9	0.0
03/15/15	13:00:00	94.9	1708.8	68.4	2.1	0.0
03/15/15	14:00:00	97.8	1708.3	70.0	2.3	0.0
03/15/15	15:00:00	99.6	1714.3	72.3	5.5	0.0
03/15/15	16:00:00	96.8	1713.3	73.6	4.9	0.0
03/15/15	17:00:00	95.3	1716.1	74.1	5.9	0.0
03/15/15	18:00:00	94.7	1716.5	74.8	5.9	0.0
03/15/15	19:00:00	91.2	1716.8	74.5	6.0	0.0
03/15/15	20:00:00	84.2	1717.1	72.1	6.1	0.0
03/15/15	21:00:00	82.8	1717.2	69.5	6.1	0.0
03/15/15	22:00:00	82.7	1717.3	67.6	6.1	0.0
03/15/15	23:00:00	80.0	1717.4	65.4	6.2	0.0
03/16/15	00:00:00	79.7	1717.5	63.5	6.2	0.0
03/16/15	01:00:00	78.5	1717.4	61.8	6.1	0.0
03/16/15	02:00:00	77.6	1714.2	60.6	4.6	0.0
03/16/15	03:00:00	76.8	1715.0	59.8	5.3	0.0
03/16/15	04:00:00	76.4	1716.9	58.0	6.1	0.0
03/16/15	05:00:00	75.6	1717.1	56.3	6.1	0.0
03/16/15	06:00:00	74.9	1717.2	54.9	6.1	0.0

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :	TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure		
03/16/15	07:00:00	74.2	1717.2	53.4	6.1	0.0
03/16/15	08:00:00	75.2	1717.3	52.4	6.1	0.0
03/16/15	09:00:00	75.9	1717.3	51.7	6.1	0.0
03/16/15	10:00:00	76.7	1717.5	51.2	6.1	0.0
03/16/15	11:00:00	81.0	1717.7	51.6	6.1	0.0
03/16/15	12:00:00	84.1	1717.9	52.5	6.1	0.0
03/16/15	13:00:00	88.1	1718.0	54.0	6.0	0.0
03/16/15	14:00:00	91.0	1717.4	55.9	5.5	0.0
03/16/15	15:00:00	94.6	1724.1	58.5	7.9	0.0
03/16/15	16:00:00	96.0	1720.6	60.7	6.8	0.9
03/16/15	17:00:00	94.4	1725.3	62.9	8.1	0.0
03/16/15	18:00:00	93.4	1726.0	64.6	8.1	0.0
03/16/15	19:00:00	91.0	1726.6	65.4	8.1	0.0
03/16/15	20:00:00	87.9	1726.6	65.1	7.9	0.0
03/16/15	21:00:00	84.2	1727.2	63.9	8.1	0.0
03/16/15	22:00:00	81.8	1727.6	61.9	8.2	0.0
03/16/15	23:00:00	81.5	1727.8	60.3	8.2	0.0
03/17/15	00:00:00	81.1	1727.9	59.2	8.2	0.0
03/17/15	01:00:00	80.7	1728.2	58.0	8.2	0.0
03/17/15	02:00:00	81.0	1728.5	57.3	8.2	0.0
03/17/15	03:00:00	79.3	1728.3	56.2	8.1	0.0
03/17/15	04:00:00	81.8	1728.5	55.7	8.1	0.0
03/17/15	05:00:00	80.7	1728.7	55.4	8.1	0.0
03/17/15	06:00:00	77.9	1728.8	54.1	8.1	0.0
03/17/15	07:00:00	76.0	1728.9	52.5	8.1	0.0
03/17/15	08:00:00	74.7	1729.0	50.8	8.2	0.0
03/17/15	09:00:00	77.7	1729.3	49.8	8.1	0.0
03/17/15	10:00:00	83.8	1729.4	50.8	8.0	0.0
03/17/15	11:00:00	87.4	1729.7	52.5	8.0	0.0
03/17/15	12:00:00	90.0	1730.0	54.7	8.0	0.0
03/17/15	13:00:00	92.6	1730.5	57.3	8.0	0.0
03/17/15	14:00:00	95.1	1731.3	60.4	8.1	0.0
03/17/15	15:00:00	96.8	1731.8	63.9	8.1	0.0
03/17/15	16:00:00	97.6	1732.1	67.4	8.1	0.0
03/17/15	17:00:00	97.6	1732.3	70.7	8.0	0.0
03/17/15	18:00:00	96.9	1732.6	73.6	8.0	0.0
03/17/15	19:00:00	93.4	1732.9	75.0	8.0	0.0
03/17/15	20:00:00	88.5	1733.2	74.0	8.2	0.0
03/17/15	21:00:00	86.3	1733.2	72.0	8.1	0.0
03/17/15	22:00:00	84.8	1732.9	70.2	8.0	0.0
03/17/15	23:00:00	83.2	1733.2	68.3	8.1	0.0
03/18/15	00:00:00	82.6	1733.3	66.5	8.1	0.0
03/18/15	01:00:00	81.2	1733.4	64.7	8.2	0.0
03/18/15	02:00:00	79.3	1732.8	62.6	8.0	0.0
03/18/15	03:00:00	75.6	1732.2	60.0	7.8	0.0
03/18/15	04:00:00	73.5	1732.9	56.9	8.2	0.0
03/18/15	05:00:00	73.5	1733.0	54.4	8.2	0.0
03/18/15	06:00:00	72.5	1732.8	52.2	8.1	0.0
03/18/15	07:00:00	71.6	1727.6	50.8	6.2	0.0
03/18/15	08:00:00	70.2	1726.9	49.9	6.1	0.0
03/18/15	09:00:00	73.5	1725.0	49.3	5.2	0.0
03/18/15	10:00:00	81.8	1722.6	51.2	4.2	0.0
03/18/15	11:00:00	86.6	1726.3	52.8	6.1	0.0
03/18/15	12:00:00	89.9	1726.6	54.6	6.1	0.0
03/18/15	13:00:00	92.6	1726.8	56.8	6.0	0.0
03/18/15	14:00:00	95.6	1727.3	59.4	6.1	0.0
03/18/15	15:00:00	97.9	1727.7	62.3	6.2	0.0
03/18/15	16:00:00	99.4	1728.1	65.4	6.2	0.0
03/18/15	17:00:00	99.2	1728.3	68.3	6.2	0.0
03/18/15	18:00:00	98.0	1728.4	70.7	6.2	0.0
03/18/15	19:00:00	94.0	1727.8	71.7	6.0	0.0
03/18/15	20:00:00	87.7	1728.1	70.5	6.2	0.0
03/18/15	21:00:00	85.3	1728.3	68.8	6.3	0.0
03/18/15	22:00:00	83.0	1728.4	66.9	6.4	0.0
03/18/15	23:00:00	81.5	1728.4	64.9	6.4	0.0
03/19/15	00:00:00	80.1	1728.4	63.0	6.4	0.0
03/19/15	01:00:00	80.9	1728.3	61.8	6.3	0.0

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :	TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume	
Date	Time	Temp	Pressure	Pressure			
03/19/15	02:00:00	78.9	1728.2	60.5	6.4	0.0	147.9
03/19/15	03:00:00	76.3	1728.2	58.6	6.4	0.0	148.1
03/19/15	04:00:00	75.2	1728.2	56.7	6.4	0.0	148.4
03/19/15	05:00:00	74.7	1728.1	55.2	6.5	0.0	148.7
03/19/15	06:00:00	72.4	1728.0	53.4	6.5	0.0	148.9
03/19/15	07:00:00	69.9	1727.2	51.6	6.2	0.0	149.2
03/19/15	08:00:00	68.5	1726.4	49.7	5.7	0.0	149.4
03/19/15	09:00:00	69.7	1719.4	50.6	2.2	0.0	149.5
03/19/15	10:00:00	75.9	1719.8	52.5	3.0	0.0	149.7
03/19/15	11:00:00	82.7	1723.4	53.4	5.1	0.0	149.9
03/19/15	12:00:00	88.8	1726.2	54.4	6.1	0.0	150.1
03/19/15	13:00:00	93.2	1726.8	56.5	6.1	0.0	150.4
03/19/15	14:00:00	96.4	1727.6	59.3	6.3	0.0	150.6
03/19/15	15:00:00	100.5	1728.1	62.7	6.2	0.0	150.9
03/19/15	16:00:00	102.6	1727.6	66.6	5.8	0.0	151.1
03/19/15	17:00:00	102.6	1723.1	69.1	3.8	0.0	151.3
03/19/15	18:00:00	99.9	1726.2	71.2	5.3	0.0	151.5
03/19/15	19:00:00	96.9	1728.4	72.8	6.2	0.0	151.8
03/19/15	20:00:00	93.0	1728.6	72.9	6.2	0.0	152.0
03/19/15	21:00:00	88.7	1728.9	71.9	6.2	0.0	152.3
03/19/15	22:00:00	86.2	1729.1	70.1	6.3	0.0	152.6
03/19/15	23:00:00	86.1	1729.2	68.8	6.2	0.0	152.8
03/20/15	00:00:00	81.9	1729.1	67.2	6.3	0.0	153.1
03/20/15	01:00:00	80.5	1727.8	64.9	5.6	0.0	153.3
03/20/15	02:00:00	77.5	1724.3	63.8	4.2	0.0	153.5
03/20/15	03:00:00	74.8	1728.6	61.3	6.4	0.0	153.8
03/20/15	04:00:00	73.8	1728.8	58.4	6.4	0.0	154.0
03/20/15	05:00:00	75.1	1728.8	56.6	6.4	0.0	154.3
03/20/15	06:00:00	74.3	1728.9	55.0	6.4	0.0	154.6
03/20/15	07:00:00	72.5	1728.9	53.3	6.4	0.0	154.8
03/20/15	08:00:00	71.3	1729.1	51.5	6.5	0.0	155.1
03/20/15	09:00:00	77.1	1729.4	51.0	6.5	0.0	155.4
03/20/15	10:00:00	81.9	1729.0	51.8	6.1	0.0	155.6
03/20/15	11:00:00	85.8	1728.5	53.3	5.8	0.0	155.9
03/20/15	12:00:00	90.8	1726.7	55.5	5.0	0.0	156.1
03/20/15	13:00:00	95.2	1729.6	58.4	6.1	0.0	156.3
03/20/15	14:00:00	95.7	1729.9	61.1	6.2	0.0	156.6
03/20/15	15:00:00	96.1	1730.5	63.5	6.3	0.0	156.8
03/20/15	16:00:00	96.8	1730.9	66.0	6.3	0.0	157.1
03/20/15	17:00:00	96.1	1731.3	67.9	6.4	0.0	157.4
03/20/15	18:00:00	94.5	1731.5	69.4	6.4	0.0	157.6
03/20/15	19:00:00	91.3	1731.7	69.8	6.4	0.0	157.9
03/20/15	20:00:00	86.5	1731.7	68.8	6.4	0.0	158.2
03/20/15	21:00:00	83.1	1731.7	66.8	6.4	0.0	158.4
03/20/15	22:00:00	81.3	1731.7	64.8	6.4	0.0	158.7
03/20/15	23:00:00	79.5	1731.8	63.0	6.4	0.0	159.0
03/21/15	00:00:00	78.4	1731.8	61.1	6.5	0.0	159.2
03/21/15	01:00:00	79.8	1731.8	59.9	6.4	0.0	159.5
03/21/15	02:00:00	79.4	1731.8	59.0	6.4	0.0	159.8
03/21/15	03:00:00	80.8	1731.8	58.4	6.4	0.0	160.0
03/21/15	04:00:00	80.8	1731.9	58.1	6.4	0.0	160.3
03/21/15	05:00:00	78.2	1731.8	57.2	6.4	0.0	160.6
03/21/15	06:00:00	76.0	1731.9	55.7	6.4	0.0	160.8
03/21/15	07:00:00	76.7	1732.0	54.7	6.4	0.0	161.1
03/21/15	08:00:00	75.5	1731.9	53.5	6.4	0.0	161.4
03/21/15	09:00:00	78.8	1731.5	53.1	6.1	0.0	161.6
03/21/15	10:00:00	83.2	1731.7	54.1	6.2	0.0	161.9
03/21/15	11:00:00	88.0	1732.2	55.5	6.3	0.0	162.1
03/21/15	12:00:00	91.5	1732.6	57.6	6.4	0.0	162.4
03/21/15	13:00:00	95.2	1732.8	60.4	6.3	0.0	162.7
03/21/15	14:00:00	97.5	1733.1	63.5	6.2	0.0	162.9
03/21/15	15:00:00	98.2	1733.6	66.6	6.3	0.0	163.2
03/21/15	16:00:00	98.7	1733.7	69.5	6.3	0.0	163.5
03/21/15	17:00:00	95.0	1733.0	71.0	5.9	0.0	163.7
03/21/15	18:00:00	96.8	1734.1	72.8	6.3	0.0	164.0
03/21/15	19:00:00	94.4	1734.4	73.9	6.4	0.0	164.2
03/21/15	20:00:00	90.1	1734.4	73.6	6.4	0.0	164.5

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :	TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume	
Date	Time	Temp	Pressure	Pressure			
03/21/15	21:00:00	86.4	1734.6	72.0	6.4	0.0	164.8
03/21/15	22:00:00	84.9	1734.7	70.2	6.4	0.0	165.0
03/21/15	23:00:00	84.5	1734.6	68.8	6.4	0.0	165.3
03/22/15	00:00:00	83.6	1734.7	67.6	6.5	0.0	165.6
03/22/15	01:00:00	82.9	1734.7	66.4	6.4	0.0	165.8
03/22/15	02:00:00	81.2	1734.7	65.1	6.4	0.0	166.1
03/22/15	03:00:00	79.1	1734.7	63.3	6.5	0.0	166.4
03/22/15	04:00:00	79.3	1734.7	61.8	6.5	0.0	166.6
03/22/15	05:00:00	78.9	1734.7	60.5	6.5	0.0	166.9
03/22/15	06:00:00	78.6	1734.6	59.6	6.4	0.0	167.2
03/22/15	07:00:00	77.3	1734.5	58.3	6.4	0.0	167.4
03/22/15	08:00:00	76.9	1734.7	57.1	6.4	0.0	167.7
03/22/15	09:00:00	78.8	1734.8	56.3	6.4	0.0	168.0
03/22/15	10:00:00	85.6	1735.1	57.5	6.4	0.0	168.3
03/22/15	11:00:00	87.8	1735.2	58.8	6.5	0.0	168.5
03/22/15	12:00:00	90.3	1735.2	60.7	6.4	0.0	168.8
03/22/15	13:00:00	92.5	1735.6	62.7	6.4	0.0	169.1
03/22/15	14:00:00	91.8	1735.7	64.5	6.3	0.0	169.3
03/22/15	15:00:00	96.0	1735.5	66.7	6.0	0.0	169.6
03/22/15	16:00:00	95.4	1736.1	69.2	6.3	0.0	169.8
03/22/15	17:00:00	94.4	1736.4	70.8	6.4	0.0	170.1
03/22/15	18:00:00	93.3	1736.6	72.0	6.4	0.0	170.4
03/22/15	19:00:00	89.1	1736.8	71.8	6.5	0.0	170.6
03/22/15	20:00:00	85.7	1736.7	70.4	6.4	0.0	170.9
03/22/15	21:00:00	84.0	1736.7	68.8	6.4	0.0	171.2
03/22/15	22:00:00	83.0	1736.7	67.3	6.4	0.0	171.4
03/22/15	23:00:00	82.1	1736.8	65.9	6.4	0.0	171.7
03/23/15	00:00:00	79.8	1736.7	64.4	6.4	0.0	172.0
03/23/15	01:00:00	78.8	1736.7	62.6	6.5	0.0	172.2
03/23/15	02:00:00	78.5	1736.5	61.2	6.4	0.0	172.5
03/23/15	03:00:00	79.6	1736.5	60.3	6.3	0.0	172.8
03/23/15	04:00:00	79.2	1736.8	59.4	6.5	0.0	173.0
03/23/15	05:00:00	78.1	1736.8	58.6	6.4	0.0	173.3
03/23/15	06:00:00	73.9	1736.5	56.7	6.4	0.0	173.6
03/23/15	07:00:00	74.9	1736.4	55.2	6.3	0.0	173.8
03/23/15	08:00:00	74.1	1735.5	54.2	5.9	0.0	174.1
03/23/15	09:00:00	78.7	1736.7	53.9	6.4	0.0	174.3
03/23/15	10:00:00	82.4	1737.0	54.5	6.5	0.0	174.6
03/23/15	11:00:00	84.9	1737.2	55.5	6.5	0.0	174.9
03/23/15	12:00:00	87.6	1737.5	56.9	6.5	0.0	175.2
03/23/15	13:00:00	89.2	1737.6	58.6	6.4	0.0	175.4
03/23/15	14:00:00	89.8	1737.9	60.0	6.5	0.0	175.7
03/23/15	15:00:00	92.6	1738.1	62.0	6.4	0.0	176.0
03/23/15	16:00:00	92.3	1738.4	63.7	6.4	0.0	176.2
03/23/15	17:00:00	92.1	1738.6	65.3	6.5	0.0	176.5
03/23/15	18:00:00	90.6	1738.9	66.3	6.5	0.0	176.8
03/23/15	19:00:00	87.1	1739.0	66.1	6.5	0.0	177.0
03/23/15	20:00:00	82.7	1739.0	64.7	6.6	0.0	177.3
03/23/15	21:00:00	81.3	1738.9	63.1	6.5	0.0	177.6
03/23/15	22:00:00	80.2	1738.8	61.7	6.5	0.0	177.9
03/23/15	23:00:00	79.4	1738.9	60.4	6.5	0.0	178.1
03/24/15	00:00:00	78.7	1738.9	59.1	6.5	0.0	178.4
03/24/15	01:00:00	77.9	1738.9	57.9	6.5	0.0	178.7
03/24/15	02:00:00	76.7	1738.7	56.7	6.5	0.0	178.9
03/24/15	03:00:00	74.7	1738.7	55.2	6.4	0.0	179.2
03/24/15	04:00:00	74.8	1738.7	53.9	6.5	0.0	179.5
03/24/15	05:00:00	76.6	1738.8	53.3	6.4	0.0	179.7
03/24/15	06:00:00	76.5	1738.6	52.7	6.4	0.0	180.0
03/24/15	07:00:00	76.0	1738.6	52.2	6.4	0.0	180.3
03/24/15	08:00:00	75.4	1738.7	51.3	6.4	0.0	180.5
03/24/15	09:00:00	79.4	1738.9	51.4	6.4	0.0	180.8
03/24/15	10:00:00	82.7	1739.1	52.2	6.4	0.0	181.1
03/24/15	11:00:00	86.7	1739.4	53.6	6.4	0.0	181.3
03/24/15	12:00:00	88.9	1739.5	55.3	6.3	0.0	181.6
03/24/15	13:00:00	91.5	1739.8	57.4	6.3	0.0	181.9
03/24/15	14:00:00	92.5	1740.0	59.5	6.3	0.0	182.1
03/24/15	15:00:00	93.7	1740.4	61.5	6.3	0.0	182.4

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :	TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure		
03/24/15	16:00:00	94.1	1740.5	63.7	6.3	0.0
03/24/15	17:00:00	92.6	1740.8	65.0	6.4	0.0
03/24/15	18:00:00	92.7	1740.9	66.3	6.4	0.0
03/24/15	19:00:00	90.7	1741.0	67.0	6.4	0.0
03/24/15	20:00:00	86.9	1738.3	66.8	5.0	0.0
03/24/15	21:00:00	82.7	1740.8	65.3	6.4	0.0
03/24/15	22:00:00	82.3	1741.0	63.8	6.4	0.0
03/24/15	23:00:00	81.0	1741.1	62.4	6.5	0.0
03/25/15	00:00:00	79.6	1741.0	61.0	6.4	0.0
03/25/15	01:00:00	78.2	1741.0	59.5	6.4	0.0
03/25/15	02:00:00	77.3	1740.9	58.1	6.4	0.0
03/25/15	03:00:00	77.1	1741.0	56.8	6.4	0.0
03/25/15	04:00:00	77.1	1741.0	55.8	6.4	0.0
03/25/15	05:00:00	76.7	1741.0	54.9	6.4	0.0
03/25/15	06:00:00	74.9	1740.5	53.8	6.2	0.0
03/25/15	07:00:00	72.1	1739.9	52.4	6.0	0.0
03/25/15	08:00:00	73.7	1740.4	51.3	6.3	0.0
03/25/15	09:00:00	78.1	1740.1	51.3	6.0	0.0
03/25/15	10:00:00	82.3	1740.2	52.3	5.8	0.0
03/25/15	11:00:00	79.2	1730.5	54.3	0.0	0.0
03/25/15	12:00:00	86.0	1729.0	57.0	0.0	0.0
03/25/15	13:00:00	93.6	1728.1	59.2	0.0	0.0
03/25/15	14:00:00	97.6	1727.4	61.1	0.0	0.0
03/25/15	15:00:00	100.2	1726.8	62.8	0.0	0.0
03/25/15	16:00:00	102.1	1726.2	64.3	0.0	0.0
03/25/15	17:00:00	101.7	1726.2	65.8	1.2	0.5
03/25/15	18:00:00	95.5	1728.5	67.1	2.4	0.0
03/25/15	19:00:00	94.1	1727.6	67.7	1.9	0.0
03/25/15	20:00:00	89.7	1727.2	67.9	1.7	0.0
03/25/15	21:00:00	86.9	1734.2	67.2	5.4	0.0
03/25/15	22:00:00	87.2	1745.6	64.6	9.4	0.0
03/25/15	23:00:00	84.7	1747.0	62.0	9.5	0.0
03/26/15	00:00:00	85.2	1748.4	60.5	9.6	0.0
03/26/15	01:00:00	84.0	1749.2	59.6	9.6	0.0
03/26/15	02:00:00	82.0	1746.8	58.2	8.6	0.0
03/26/15	03:00:00	82.2	1749.9	57.6	9.5	0.0
03/26/15	04:00:00	81.7	1751.8	56.7	9.9	0.0
03/26/15	05:00:00	78.5	1752.8	54.9	10.1	0.0
03/26/15	06:00:00	78.7	1753.1	53.6	10.0	0.0
03/26/15	07:00:00	75.4	1752.8	51.7	9.8	0.0
03/26/15	08:00:00	77.1	1753.5	50.2	9.9	0.0
03/26/15	09:00:00	79.0	1753.8	50.0	9.8	0.0
03/26/15	10:00:00	87.7	1752.0	51.7	8.9	0.0
03/26/15	11:00:00	94.5	1747.0	55.6	6.9	0.0
03/26/15	12:00:00	98.5	1754.5	60.6	9.5	0.0
03/26/15	13:00:00	101.6	1755.6	67.0	9.4	0.0
03/26/15	14:00:00	105.1	1751.5	73.4	7.8	0.0
03/26/15	15:00:00	106.2	1753.6	80.1	8.4	0.0
03/26/15	16:00:00	106.1	1757.4	88.3	9.4	0.0
03/26/15	17:00:00	105.9	1758.6	96.3	9.5	0.0
03/26/15	18:00:00	105.5	1759.3	103.7	9.6	0.0
03/26/15	19:00:00	105.1	1760.2	111.0	9.6	0.0
03/26/15	20:00:00	99.2	1760.5	114.1	9.6	0.0
03/26/15	21:00:00	92.6	1760.8	110.9	9.6	0.0
03/26/15	22:00:00	90.6	1761.3	106.5	9.7	0.0
03/26/15	23:00:00	90.0	1761.7	103.2	9.8	0.0
03/27/15	00:00:00	87.5	1762.1	100.1	9.9	0.0
03/27/15	01:00:00	84.5	1762.1	94.5	9.9	0.0
03/27/15	02:00:00	83.1	1762.3	89.7	9.9	0.0
03/27/15	03:00:00	81.8	1762.3	84.9	9.9	0.0
03/27/15	04:00:00	79.9	1762.1	80.3	9.9	0.0
03/27/15	05:00:00	78.7	1762.2	75.8	9.9	0.0
03/27/15	06:00:00	77.4	1762.3	71.4	9.9	0.0
03/27/15	07:00:00	76.5	1762.4	67.6	10.0	0.0
03/27/15	08:00:00	78.0	1762.8	64.8	10.1	0.0
03/27/15	09:00:00	82.2	1762.9	63.9	10.0	0.0
03/27/15	10:00:00	90.1	1763.4	66.5	9.9	0.0

### Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :	TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure		
03/27/15	11:00:00	96.4	1763.7	71.5	9.8	0.0
03/27/15	12:00:00	101.7	1764.4	79.2	9.8	0.0
03/27/15	13:00:00	105.4	1764.8	88.8	9.7	0.0
03/27/15	14:00:00	107.8	1764.8	99.6	9.5	0.0
03/27/15	15:00:00	108.6	1765.3	110.6	9.4	0.0
03/27/15	16:00:00	108.6	1765.9	121.3	9.5	0.0
03/27/15	17:00:00	106.8	1766.8	130.8	9.7	0.0
03/27/15	18:00:00	103.9	1767.6	136.8	9.8	0.0
03/27/15	19:00:00	100.7	1768.2	139.2	9.8	0.0
03/27/15	20:00:00	96.6	1768.2	138.0	9.9	0.0
03/27/15	21:00:00	92.1	1768.3	133.0	9.9	0.0
03/27/15	22:00:00	88.7	1768.3	124.7	9.9	0.0
03/27/15	23:00:00	86.2	1768.5	117.7	10.0	0.0
03/28/15	00:00:00	83.7	1768.5	109.2	10.0	0.0
03/28/15	01:00:00	80.6	1768.7	100.9	10.1	0.0
03/28/15	02:00:00	82.9	1768.5	94.7	10.0	0.0
03/28/15	03:00:00	84.5	1768.7	91.9	10.1	0.0
03/28/15	04:00:00	83.6	1768.7	88.9	10.1	0.0
03/28/15	05:00:00	82.7	1768.8	85.6	10.1	0.0
03/28/15	06:00:00	81.7	1768.8	82.5	10.1	0.0
03/28/15	07:00:00	78.2	1768.8	78.1	10.1	0.0
03/28/15	08:00:00	75.8	1769.3	72.5	10.3	0.0
03/28/15	09:00:00	79.6	1768.8	69.4	10.1	0.0
03/28/15	10:00:00	85.0	1768.7	69.8	9.9	0.0
03/28/15	11:00:00	91.6	1768.6	73.0	9.8	0.0
03/28/15	12:00:00	95.4	1769.6	78.0	10.0	0.0
03/28/15	13:00:00	99.6	1769.9	84.9	9.8	0.0
03/28/15	14:00:00	102.9	1770.2	93.3	9.7	0.0
03/28/15	15:00:00	106.3	1770.7	103.7	9.7	0.0
03/28/15	16:00:00	107.2	1771.3	115.1	9.7	0.0
03/28/15	17:00:00	107.4	1772.1	126.1	9.8	0.0
03/28/15	18:00:00	106.6	1772.6	136.2	9.8	0.0
03/28/15	19:00:00	103.0	1773.3	142.6	9.9	0.0
03/28/15	20:00:00	97.9	1773.4	143.2	10.0	0.0
03/28/15	21:00:00	93.2	1771.8	138.6	9.0	0.0
03/28/15	22:00:00	84.0	1753.8	129.4	1.5	0.0
03/28/15	23:00:00	85.4	1762.9	120.8	7.2	0.0
03/29/15	00:00:00	84.7	1765.0	113.1	8.0	0.0
03/29/15	01:00:00	84.2	1765.0	106.5	8.0	0.0
03/29/15	02:00:00	84.1	1765.3	101.9	8.2	0.0
03/29/15	03:00:00	81.3	1765.3	96.9	8.3	0.0
03/29/15	04:00:00	77.6	1765.2	90.3	8.3	0.0
03/29/15	05:00:00	78.7	1765.1	85.2	8.3	0.0
03/29/15	06:00:00	76.0	1764.7	80.6	8.3	0.0
03/29/15	07:00:00	74.5	1764.6	75.7	8.3	0.0
03/29/15	08:00:00	74.7	1764.7	71.7	8.4	0.0
03/29/15	09:00:00	80.5	1764.3	70.2	8.2	0.0
03/29/15	10:00:00	89.5	1764.3	72.5	8.0	0.0
03/29/15	11:00:00	96.4	1764.6	77.3	7.9	0.0
03/29/15	12:00:00	99.8	1765.0	83.3	7.9	0.0
03/29/15	13:00:00	104.3	1765.4	90.7	7.9	0.0
03/29/15	14:00:00	107.2	1766.1	99.7	8.0	0.0
03/29/15	15:00:00	107.8	1766.6	108.9	8.0	0.0
03/29/15	16:00:00	108.9	1766.6	117.8	7.9	0.0
03/29/15	17:00:00	109.4	1767.0	126.8	7.9	0.0
03/29/15	18:00:00	108.2	1767.3	134.6	7.9	0.0
03/29/15	19:00:00	104.2	1767.9	139.2	8.0	0.0
03/29/15	20:00:00	98.0	1767.8	138.3	8.1	0.0
03/29/15	21:00:00	93.5	1768.1	133.8	8.2	0.0
03/29/15	22:00:00	90.0	1768.1	127.3	8.2	0.0
03/29/15	23:00:00	87.2	1768.1	120.4	8.3	0.0
03/30/15	00:00:00	83.7	1768.0	113.2	8.3	0.0
03/30/15	01:00:00	83.6	1767.7	106.6	8.2	0.0
03/30/15	02:00:00	83.6	1767.8	101.7	8.3	0.0
03/30/15	03:00:00	81.2	1767.8	97.0	8.3	0.0
03/30/15	04:00:00	80.0	1767.8	91.5	8.4	0.0
03/30/15	05:00:00	78.9	1767.3	87.1	8.2	0.0

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :	TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure		
03/30/15	06:00:00	76.9	1767.1	82.4	8.2	0.0
03/30/15	07:00:00	75.9	1767.1	78.0	8.3	0.0
03/30/15	08:00:00	75.1	1767.1	73.9	8.3	0.0
03/30/15	09:00:00	81.0	1767.0	72.4	8.1	0.0
03/30/15	10:00:00	90.0	1765.5	74.9	7.4	0.0
03/30/15	11:00:00	94.5	1772.7	79.4	9.7	0.0
03/30/15	12:00:00	100.2	1774.0	86.5	9.8	0.0
03/30/15	13:00:00	103.2	1774.8	95.9	9.8	0.0
03/30/15	14:00:00	104.8	1775.6	106.0	9.7	0.0
03/30/15	15:00:00	106.4	1776.5	116.7	9.8	0.0
03/30/15	16:00:00	108.9	1776.9	129.4	9.7	0.0
03/30/15	17:00:00	108.2	1777.3	142.0	9.7	0.0
03/30/15	18:00:00	104.5	1777.8	150.0	9.7	0.0
03/30/15	19:00:00	98.9	1778.5	150.9	9.9	0.0
03/30/15	20:00:00	96.2	1779.0	148.5	9.9	0.0
03/30/15	21:00:00	92.0	1779.1	143.4	10.0	0.0
03/30/15	22:00:00	86.0	1777.9	133.2	9.6	0.0
03/30/15	23:00:00	83.6	1772.9	123.1	8.2	0.0
03/31/15	00:00:00	83.2	1772.9	115.2	8.3	0.0
03/31/15	01:00:00	82.1	1773.0	107.9	8.5	0.0
03/31/15	02:00:00	85.1	1773.4	103.9	8.6	0.0
03/31/15	03:00:00	85.2	1773.2	101.1	8.6	0.0
03/31/15	04:00:00	84.1	1773.3	98.0	8.6	0.0
03/31/15	05:00:00	82.6	1773.1	94.2	8.6	0.0
03/31/15	06:00:00	81.1	1772.9	90.0	8.6	0.0
03/31/15	07:00:00	81.1	1772.7	86.4	8.5	0.0
03/31/15	08:00:00	81.9	1772.6	83.8	8.5	0.0
03/31/15	09:00:00	84.2	1772.7	82.8	8.5	0.0
03/31/15	10:00:00	87.2	1772.8	83.1	8.5	0.0
03/31/15	11:00:00	90.4	1772.7	84.9	8.4	0.0
03/31/15	12:00:00	93.7	1773.0	88.0	8.4	0.0
03/31/15	13:00:00	96.2	1773.2	92.3	8.3	0.0
03/31/15	14:00:00	98.1	1773.4	97.1	8.2	0.0
03/31/15	15:00:00	99.6	1773.7	102.2	8.3	0.0
03/31/15	16:00:00	99.6	1774.0	107.2	8.3	0.0
03/31/15	17:00:00	98.5	1774.3	110.9	8.3	0.0
03/31/15	18:00:00	97.6	1774.5	113.5	8.3	0.0
03/31/15	19:00:00	95.2	1774.9	114.7	8.4	0.0
03/31/15	20:00:00	89.9	1774.9	112.5	8.5	0.0
03/31/15	21:00:00	85.6	1775.0	107.1	8.5	0.0
03/31/15	22:00:00	82.1	1775.0	100.3	8.6	0.0
03/31/15	23:00:00	80.7	1775.1	94.6	8.7	0.0
04/01/15	00:00:00	78.4	1775.0	88.6	8.7	0.0
04/01/15	01:00:00	77.7	1774.9	83.5	8.7	0.0
04/01/15	02:00:00	76.9	1774.6	79.1	8.6	0.0
04/01/15	03:00:00	75.7	1774.5	75.1	8.6	0.0
04/01/15	04:00:00	73.6	1774.5	70.9	8.8	0.0
04/01/15	05:00:00	72.2	1774.4	66.9	8.7	0.0
04/01/15	06:00:00	71.7	1774.2	63.2	8.7	0.0
04/01/15	07:00:00	70.8	1774.1	60.2	8.8	0.0
04/01/15	08:00:00	57.0	1759.1	61.6	0.3	0.0
04/01/15	09:00:00	52.3	1756.8	66.6	0.0	0.0
04/01/15	10:00:00	58.1	1755.8	70.1	0.0	0.0
04/01/15	11:00:00	67.9	1754.9	72.9	0.0	0.0
04/01/15	12:00:00	76.4	1754.1	75.4	0.0	0.0
04/01/15	13:00:00	78.4	1753.4	77.5	0.0	0.0
04/01/15	14:00:00	80.1	1752.8	79.3	0.0	0.0
04/01/15	15:00:00	84.8	1752.2	80.8	0.0	0.0
04/01/15	16:00:00	88.5	1751.5	82.2	0.0	0.0
04/01/15	17:00:00	86.0	1751.0	83.5	0.0	0.0
04/01/15	18:00:00	81.8	1750.5	84.5	0.0	0.0
04/01/15	19:00:00	73.6	1750.2	85.4	0.0	0.0
04/01/15	20:00:00	64.1	1749.6	86.1	0.0	0.0
04/01/15	21:00:00	58.4	1749.3	86.7	0.0	0.0
04/01/15	22:00:00	55.3	1748.9	87.2	0.0	0.0
04/01/15	23:00:00	52.4	1748.6	87.7	0.0	0.0
04/02/15	00:00:00	52.4	1748.2	88.1	0.0	0.0

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :	TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure		
04/02/15	01:00:00	51.5	1747.9	88.5	0.0	0.0
04/02/15	02:00:00	50.1	1747.6	88.8	0.0	245.7
04/02/15	03:00:00	50.0	1747.3	89.1	0.0	245.7
04/02/15	04:00:00	50.4	1747.0	89.4	0.0	245.7
04/02/15	05:00:00	50.2	1746.7	89.7	0.0	245.7
04/02/15	06:00:00	49.2	1746.5	89.9	0.0	245.7
04/02/15	07:00:00	48.6	1746.3	90.1	0.0	245.7
04/02/15	08:00:00	48.6	1746.0	90.3	0.0	245.7
04/02/15	09:00:00	51.4	1745.8	90.7	0.0	245.7
04/02/15	10:00:00	57.5	1745.6	91.0	0.0	245.7
04/02/15	11:00:00	67.6	1745.3	91.4	0.0	245.7
04/02/15	12:00:00	77.6	1745.0	92.0	0.0	245.7
04/02/15	13:00:00	82.6	1744.8	92.5	0.0	245.7
04/02/15	14:00:00	86.5	1744.6	92.9	0.0	245.7
04/02/15	15:00:00	87.7	1744.4	93.4	0.0	245.7
04/02/15	16:00:00	87.5	1744.2	93.8	0.0	245.7
04/02/15	17:00:00	84.4	1744.0	94.2	0.0	245.7
04/02/15	18:00:00	79.7	1743.9	94.4	0.0	245.7
04/02/15	19:00:00	74.0	1743.9	94.6	0.0	245.7
04/02/15	20:00:00	67.5	1743.5	94.7	0.0	245.7
04/02/15	21:00:00	60.5	1743.4	94.8	0.0	245.7
04/02/15	22:00:00	56.2	1743.3	94.8	0.0	245.7
04/02/15	23:00:00	54.0	1743.2	94.8	0.0	245.7
04/03/15	00:00:00	53.2	1743.1	94.8	0.0	245.7
04/03/15	01:00:00	51.8	1743.0	94.8	0.0	245.7
04/03/15	02:00:00	50.6	1742.8	94.8	0.0	245.7
04/03/15	03:00:00	49.2	1742.7	94.8	0.0	245.7
04/03/15	04:00:00	46.4	1742.6	94.8	0.0	245.7
04/03/15	05:00:00	43.7	1742.5	94.7	0.0	245.7
04/03/15	06:00:00	44.4	1742.5	94.7	0.0	245.7
04/03/15	07:00:00	44.0	1742.3	94.7	0.0	245.7
04/03/15	08:00:00	(2)	(2)	(2)	0.0	245.7
04/03/15	09:00:00	50.0	1742.0	95.0	4.6	245.7
04/03/15	10:00:00	64.5	1742.2	95.1	3.1	245.6
04/03/15	11:00:00	85.6	1762.1	88.0	9.6	246.0
04/03/15	12:00:00	91.5	1764.5	81.6	9.8	246.4
04/03/15	13:00:00	97.1	1765.9	82.3	9.7	246.8
04/03/15	14:00:00	100.0	1767.3	85.8	9.7	247.2
04/03/15	15:00:00	102.2	1768.4	91.2	9.6	247.6
04/03/15	16:00:00	103.5	1767.8	97.4	8.8	248.0
04/03/15	17:00:00	102.7	1769.3	102.3	9.2	248.3
04/03/15	18:00:00	102.2	1771.3	107.6	9.5	248.7
04/03/15	19:00:00	98.9	1772.5	110.9	9.6	249.1
04/03/15	20:00:00	91.8	1772.9	108.9	9.7	249.5
04/03/15	21:00:00	87.1	1773.9	102.9	9.8	250.0
04/03/15	22:00:00	83.3	1775.0	96.2	10.0	250.4
04/03/15	23:00:00	79.7	1775.7	88.7	10.2	250.8
04/04/15	00:00:00	76.2	1775.8	81.0	10.2	251.2
04/04/15	01:00:00	77.4	1775.9	75.3	10.1	251.6
04/04/15	02:00:00	78.8	1776.0	71.7	10.0	252.1
04/04/15	03:00:00	79.8	1776.4	69.8	10.0	252.5
04/04/15	04:00:00	77.4	1776.6	66.9	10.0	252.9
04/04/15	05:00:00	75.9	1776.9	63.7	10.1	253.3
04/04/15	06:00:00	72.8	1776.9	60.3	10.0	253.7
04/04/15	07:00:00	70.2	1776.8	56.1	10.0	254.2
04/04/15	08:00:00	74.9	1777.0	54.0	9.9	254.6
04/04/15	09:00:00	79.7	1777.0	54.2	9.8	255.0
04/04/15	10:00:00	85.6	1777.8	56.2	9.9	255.4
04/04/15	11:00:00	89.1	1778.7	59.1	9.9	255.8
04/04/15	12:00:00	91.6	1778.4	62.5	9.6	256.2
04/04/15	13:00:00	95.6	1778.6	67.1	9.5	256.6
04/04/15	14:00:00	98.2	1779.3	72.8	9.5	257.0
04/04/15	15:00:00	99.8	1779.8	78.9	9.4	257.4
04/04/15	16:00:00	100.6	1780.4	85.3	9.4	257.8
04/04/15	17:00:00	99.6	1778.3	90.9	8.6	258.1
04/04/15	18:00:00	93.7	1779.8	92.2	9.2	258.5
04/04/15	19:00:00	89.4	1782.0	90.7	9.8	258.9

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :		TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure			
04/04/15	20:00:00	86.9	1781.9	88.1	9.6	0.0	259.3
04/04/15	21:00:00	85.4	1782.7	85.4	9.9	0.0	259.7
04/04/15	22:00:00	84.4	1782.9	82.7	9.9	0.0	260.2
04/04/15	23:00:00	83.7	1783.1	80.2	9.9	0.0	260.6
04/05/15	00:00:00	82.2	1783.6	77.7	10.1	0.0	261.0
04/05/15	01:00:00	80.8	1783.6	74.6	10.0	0.0	261.4
04/05/15	02:00:00	80.1	1783.5	71.7	10.0	0.0	261.8
04/05/15	03:00:00	79.3	1783.8	69.1	10.0	0.0	262.2
04/05/15	04:00:00	78.3	1783.8	66.5	10.0	0.0	262.7
04/05/15	05:00:00	76.7	1783.7	63.8	10.0	0.0	263.1
04/05/15	06:00:00	76.0	1783.7	61.0	10.0	0.0	263.5
04/05/15	07:00:00	73.5	1783.6	58.1	10.0	0.0	263.9
04/05/15	08:00:00	75.1	1784.2	55.9	10.2	0.0	264.3
04/05/15	09:00:00	78.8	1783.9	55.1	10.0	0.0	264.7
04/05/15	10:00:00	84.6	1783.8	56.6	9.8	0.0	265.1
04/05/15	11:00:00	88.1	1784.0	59.1	9.6	0.0	265.6
04/05/15	12:00:00	90.1	1784.5	62.1	9.7	0.0	266.0
04/05/15	13:00:00	88.7	1785.5	64.9	9.9	0.0	266.4
04/05/15	14:00:00	80.4	1785.9	63.4	10.1	0.0	266.8
04/05/15	15:00:00	83.0	1785.8	62.2	9.9	0.0	267.2
04/05/15	16:00:00	84.5	1786.4	62.6	10.0	0.0	267.6
04/05/15	17:00:00	86.9	1786.3	64.1	9.9	0.0	268.0
04/05/15	18:00:00	87.2	1786.8	65.6	9.9	0.0	268.4
04/05/15	19:00:00	85.7	1786.9	66.4	9.9	0.0	268.9
04/05/15	20:00:00	82.4	1787.0	65.7	10.0	0.0	269.3
04/05/15	21:00:00	79.2	1787.0	63.4	10.0	0.0	269.7
04/05/15	22:00:00	78.3	1787.1	61.2	10.0	0.0	270.1
04/05/15	23:00:00	76.4	1787.0	59.0	9.9	0.0	270.5
04/06/15	00:00:00	73.9	1783.5	56.8	9.0	0.0	270.9
04/06/15	01:00:00	75.4	1787.2	54.5	10.1	0.0	271.3
04/06/15	02:00:00	73.6	1787.1	52.7	10.0	0.0	271.7
04/06/15	03:00:00	72.3	1787.4	50.6	10.2	0.0	272.2
04/06/15	04:00:00	71.9	1787.2	48.4	10.1	0.0	272.6
04/06/15	05:00:00	70.5	1786.8	46.7	10.0	0.0	273.0
04/06/15	06:00:00	69.9	1786.7	45.0	10.0	0.0	273.4
04/06/15	07:00:00	70.1	1786.9	43.4	10.0	0.0	273.8
04/06/15	08:00:00	72.2	1787.3	42.5	10.1	0.0	274.2
04/06/15	09:00:00	77.1	1787.3	43.0	10.0	0.0	274.7
04/06/15	10:00:00	80.5	1787.3	44.2	9.8	0.0	275.1
04/06/15	11:00:00	83.5	1787.6	46.0	9.8	0.0	275.5
04/06/15	12:00:00	85.5	1788.1	47.9	9.8	0.0	275.9
04/06/15	13:00:00	90.1	1788.2	50.9	9.7	0.0	276.3
04/06/15	14:00:00	93.7	1788.6	55.0	9.6	0.0	276.7
04/06/15	15:00:00	95.6	1789.2	59.5	9.6	0.0	277.1
04/06/15	16:00:00	95.5	1790.3	63.9	9.8	0.0	277.5
04/06/15	17:00:00	94.6	1790.7	67.8	9.8	0.0	277.9
04/06/15	18:00:00	92.6	1791.1	70.3	9.8	0.0	278.3
04/06/15	19:00:00	92.3	1791.1	72.6	9.7	0.0	278.7
04/06/15	20:00:00	89.2	1791.4	73.4	9.8	0.0	279.1
04/06/15	21:00:00	86.8	1792.0	73.0	9.9	0.0	279.5
04/06/15	22:00:00	84.9	1792.4	71.8	10.0	0.0	280.0
04/06/15	23:00:00	84.4	1792.3	70.7	10.0	0.0	280.4
04/07/15	00:00:00	80.3	1792.6	68.7	10.1	0.0	280.8
04/07/15	01:00:00	79.6	1792.4	65.3	10.0	0.0	281.2
04/07/15	02:00:00	80.2	1792.5	63.5	10.1	0.0	281.6
04/07/15	03:00:00	83.4	1792.7	63.4	10.0	0.0	282.0
04/07/15	04:00:00	87.0	1792.8	64.7	9.9	0.0	282.5
04/07/15	05:00:00	81.8	1792.8	64.4	9.9	0.0	282.9
04/07/15	06:00:00	80.9	1792.7	62.7	9.9	0.0	283.3
04/07/15	07:00:00	80.4	1792.9	61.4	9.9	0.0	283.7
04/07/15	08:00:00	78.4	1792.8	59.4	9.9	0.0	284.1
04/07/15	09:00:00	78.7	1792.8	57.9	9.9	0.0	284.5
04/07/15	10:00:00	78.6	1792.8	56.4	9.9	0.0	284.9
04/07/15	11:00:00	84.1	1793.2	56.9	9.9	0.0	285.3
04/07/15	12:00:00	88.5	1793.7	59.4	9.9	0.0	285.8
04/07/15	13:00:00	85.5	1793.7	61.7	9.8	0.0	286.2
04/07/15	14:00:00	83.1	1793.6	60.3	9.7	0.0	286.6

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :	TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure		
04/07/15	15:00:00	86.2	1794.2	61.9	9.8	0.0
04/07/15	16:00:00	88.2	1794.8	63.4	9.9	0.0
04/07/15	17:00:00	85.9	1794.8	64.7	9.9	0.0
04/07/15	18:00:00	78.3	1795.5	62.4	10.2	0.0
04/07/15	19:00:00	78.4	1795.1	59.8	9.9	0.0
04/07/15	20:00:00	79.0	1794.8	58.6	9.9	0.0
04/07/15	21:00:00	77.7	1795.1	57.2	10.0	0.0
04/07/15	22:00:00	76.8	1791.0	55.8	8.8	0.0
04/07/15	23:00:00	75.3	1792.7	54.6	9.4	0.0
04/08/15	00:00:00	72.8	1795.0	52.1	10.1	0.0
04/08/15	01:00:00	75.0	1795.4	50.5	10.1	0.0
04/08/15	02:00:00	75.0	1795.5	49.6	10.2	0.0
04/08/15	03:00:00	73.0	1795.4	47.9	10.1	0.0
04/08/15	04:00:00	72.3	1795.4	46.6	10.1	0.0
04/08/15	05:00:00	70.8	1795.4	44.9	10.2	0.0
04/08/15	06:00:00	71.9	1795.1	43.9	10.0	0.0
04/08/15	07:00:00	71.6	1795.3	43.1	10.1	0.0
04/08/15	08:00:00	70.0	1795.5	41.9	10.2	0.0
04/08/15	09:00:00	71.6	1795.0	41.1	10.0	0.0
04/08/15	10:00:00	76.1	1795.7	41.3	10.1	0.0
04/08/15	11:00:00	78.8	1795.2	42.4	9.8	0.0
04/08/15	12:00:00	83.8	1795.2	44.3	9.7	0.0
04/08/15	13:00:00	84.4	1796.0	46.4	9.8	0.0
04/08/15	14:00:00	85.8	1796.4	48.2	9.8	0.0
04/08/15	15:00:00	87.4	1796.6	50.7	9.7	0.0
04/08/15	16:00:00	88.5	1797.0	53.0	9.7	0.0
04/08/15	17:00:00	88.5	1797.6	55.3	9.8	0.0
04/08/15	18:00:00	88.4	1798.0	57.3	9.8	0.0
04/08/15	19:00:00	86.5	1798.6	58.6	9.9	0.0
04/08/15	20:00:00	83.2	1798.7	58.7	9.9	0.0
04/08/15	21:00:00	79.1	1798.9	57.2	10.0	0.0
04/08/15	22:00:00	77.5	1798.8	55.4	10.0	0.0
04/08/15	23:00:00	75.7	1798.8	53.5	10.0	0.0
04/09/15	00:00:00	74.3	1799.0	51.7	10.1	0.0
04/09/15	01:00:00	72.6	1799.1	49.5	10.1	0.0
04/09/15	02:00:00	72.2	1799.1	47.8	10.1	0.0
04/09/15	03:00:00	72.9	1798.8	46.4	10.1	0.0
04/09/15	04:00:00	70.8	1798.8	45.2	10.1	0.0
04/09/15	05:00:00	69.4	1798.7	43.5	10.1	0.0
04/09/15	06:00:00	68.3	1798.6	41.9	10.1	0.0
04/09/15	07:00:00	68.2	1798.5	40.6	10.1	0.0
04/09/15	08:00:00	69.3	1798.7	39.6	10.1	0.0
04/09/15	09:00:00	73.0	1798.6	39.5	10.0	0.0
04/09/15	10:00:00	78.5	1798.7	40.5	9.9	0.0
04/09/15	11:00:00	83.7	1798.9	42.5	9.8	0.0
04/09/15	12:00:00	87.3	1799.2	45.2	9.7	0.0
04/09/15	13:00:00	89.6	1799.7	48.3	9.7	0.0
04/09/15	14:00:00	91.0	1800.3	51.5	9.7	0.0
04/09/15	15:00:00	92.9	1800.8	55.1	9.7	0.0
04/09/15	16:00:00	92.1	1801.5	58.3	9.8	0.0
04/09/15	17:00:00	92.8	1801.9	61.5	9.7	0.0
04/09/15	18:00:00	92.5	1802.2	64.5	9.8	0.0
04/09/15	19:00:00	91.6	1802.7	66.9	9.8	0.0
04/09/15	20:00:00	88.5	1802.8	68.2	9.8	0.0
04/09/15	21:00:00	85.5	1803.3	67.7	9.9	0.0
04/09/15	22:00:00	83.0	1803.6	66.5	10.0	0.0
04/09/15	23:00:00	82.4	1803.8	65.2	10.1	0.0
04/10/15	00:00:00	80.2	1798.4	63.8	8.3	0.0
04/10/15	01:00:00	78.1	1797.5	62.1	8.3	0.0
04/10/15	02:00:00	76.1	1797.1	60.0	8.2	0.0
04/10/15	03:00:00	74.5	1796.9	57.8	8.2	0.0
04/10/15	04:00:00	74.5	1796.7	56.1	8.2	0.0
04/10/15	05:00:00	72.9	1796.5	54.3	8.3	0.0
04/10/15	06:00:00	70.7	1796.3	52.2	8.3	0.0
04/10/15	07:00:00	73.0	1796.1	50.8	8.3	0.0
04/10/15	08:00:00	72.0	1796.0	49.7	8.3	0.0
04/10/15	09:00:00	76.7	1795.8	49.6	8.1	0.0

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :	TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure		
04/10/15	10:00:00	82.3	1796.0	50.7	8.1	0.0
04/10/15	11:00:00	88.1	1796.3	53.0	8.0	0.0
04/10/15	12:00:00	92.0	1796.6	56.2	8.0	0.0
04/10/15	13:00:00	95.2	1797.0	59.9	8.0	0.0
04/10/15	14:00:00	97.5	1797.3	64.0	8.0	0.0
04/10/15	15:00:00	99.6	1797.7	68.7	8.0	0.0
04/10/15	16:00:00	100.5	1798.0	73.4	7.9	0.0
04/10/15	17:00:00	100.2	1798.4	77.7	7.9	0.0
04/10/15	18:00:00	99.2	1798.6	81.4	8.0	0.0
04/10/15	19:00:00	96.2	1799.0	83.7	8.0	0.0
04/10/15	20:00:00	91.0	1798.9	83.6	8.1	0.0
04/10/15	21:00:00	86.9	1799.0	81.4	8.1	0.0
04/10/15	22:00:00	84.3	1799.0	78.8	8.1	0.0
04/10/15	23:00:00	81.5	1799.0	75.8	8.2	0.0
04/11/15	00:00:00	80.1	1798.9	72.6	8.2	0.0
04/11/15	01:00:00	81.6	1799.0	71.0	8.2	0.0
04/11/15	02:00:00	78.3	1798.8	68.9	8.2	0.0
04/11/15	03:00:00	75.0	1798.7	65.5	8.3	0.0
04/11/15	04:00:00	74.1	1798.6	62.6	8.3	0.0
04/11/15	05:00:00	73.9	1798.4	60.2	8.3	0.0
04/11/15	06:00:00	72.9	1798.3	58.0	8.3	0.0
04/11/15	07:00:00	73.1	1798.1	56.2	8.2	0.0
04/11/15	08:00:00	75.8	1798.2	55.2	8.2	0.0
04/11/15	09:00:00	83.1	1798.2	56.2	8.0	0.0
04/11/15	10:00:00	87.6	1798.4	58.5	8.0	0.0
04/11/15	11:00:00	92.4	1798.8	61.6	8.0	0.0
04/11/15	12:00:00	93.2	1799.0	65.1	8.0	0.0
04/11/15	13:00:00	95.2	1799.6	68.4	8.0	0.0
04/11/15	14:00:00	99.1	1799.9	72.9	8.0	0.0
04/11/15	15:00:00	100.9	1800.2	78.1	7.9	0.0
04/11/15	16:00:00	101.4	1800.6	83.2	7.9	0.0
04/11/15	17:00:00	101.4	1801.0	87.9	7.9	0.0
04/11/15	18:00:00	100.7	1801.0	92.0	7.9	0.0
04/11/15	19:00:00	97.4	1801.4	94.5	7.9	0.0
04/11/15	20:00:00	92.7	1801.7	94.2	8.1	0.0
04/11/15	21:00:00	89.3	1801.9	92.1	8.2	0.0
04/11/15	22:00:00	87.6	1801.2	89.7	7.9	0.0
04/11/15	23:00:00	87.3	1801.9	87.9	8.2	0.0
04/12/15	00:00:00	85.9	1801.9	86.0	8.2	0.0
04/12/15	01:00:00	84.3	1802.1	83.7	8.2	0.0
04/12/15	02:00:00	80.9	1802.1	80.6	8.3	0.0
04/12/15	03:00:00	78.9	1801.9	76.9	8.3	0.0
04/12/15	04:00:00	78.7	1801.8	73.7	8.3	0.0
04/12/15	05:00:00	78.3	1801.8	71.3	8.3	0.0
04/12/15	06:00:00	76.0	1801.7	68.4	8.3	0.0
04/12/15	07:00:00	75.0	1801.6	65.5	8.3	0.0
04/12/15	08:00:00	76.9	1800.5	63.6	7.7	0.0
04/12/15	09:00:00	80.0	1792.4	64.6	3.7	0.0
04/12/15	10:00:00	86.0	1791.6	66.8	3.4	0.0
04/12/15	11:00:00	91.0	1796.4	69.1	6.4	0.0
04/12/15	12:00:00	96.0	1800.7	72.5	7.9	0.0
04/12/15	13:00:00	99.4	1801.2	77.2	7.8	0.0
04/12/15	14:00:00	102.4	1799.2	82.5	6.9	0.0
04/12/15	15:00:00	103.8	1800.0	87.7	7.2	0.0
04/12/15	16:00:00	105.0	1802.2	94.2	7.8	0.0
04/12/15	17:00:00	105.4	1802.8	100.7	7.8	0.0
04/12/15	18:00:00	104.2	1803.1	106.3	7.8	0.0
04/12/15	19:00:00	103.1	1803.6	110.6	7.8	0.0
04/12/15	20:00:00	99.8	1803.7	113.4	7.9	0.0
04/12/15	21:00:00	94.1	1804.1	112.1	8.1	0.0
04/12/15	22:00:00	90.8	1804.2	108.8	8.0	0.0
04/12/15	23:00:00	89.5	1804.3	105.3	8.1	0.0
04/13/15	00:00:00	88.3	1804.5	102.7	8.2	0.0
04/13/15	01:00:00	85.5	1804.4	99.1	8.1	0.0
04/13/15	02:00:00	84.3	1804.4	94.9	8.1	0.0
04/13/15	03:00:00	82.8	1804.5	91.8	8.2	0.0
04/13/15	04:00:00	78.9	1800.6	87.5	6.7	0.0

### Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly

Instrument Tag # :	TIT-002 I/W	PIT-012 I/W Well	PIT-018 I/W Well	FE-004 Injection Gas	FE-009 Air Flow to	Cumulative Net	
	Manifold	Tubing	Annulus	Flow Rate	Atmosphere	Injection	
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/13/15	05:00:00	75.5	1801.7	83.0	7.4	0.0	335.8
04/13/15	06:00:00	75.9	1803.7	77.9	8.2	0.0	336.1
04/13/15	07:00:00	76.7	1803.7	74.6	8.2	0.0	336.5
04/13/15	08:00:00	78.0	1803.8	72.0	8.2	0.0	336.8
04/13/15	09:00:00	83.0	1803.5	71.8	8.0	0.0	337.1
04/13/15	10:00:00	88.2	1803.8	73.7	8.0	0.0	337.5
04/13/15	11:00:00	93.1	1804.1	76.8	7.9	0.0	337.8
04/13/15	12:00:00	98.2	1802.4	81.9	6.9	0.0	338.1
04/13/15	13:00:00	99.9	1803.8	86.7	7.6	0.0	338.4
04/13/15	14:00:00	103.5	1805.0	93.4	7.8	0.0	338.7
04/13/15	15:00:00	105.2	1804.1	100.3	7.2	0.0	339.0
04/13/15	16:00:00	103.1	1805.9	106.0	7.9	0.0	339.4
04/13/15	17:00:00	100.7	1806.5	109.9	8.0	0.0	339.7
04/13/15	18:00:00	97.7	1806.7	111.7	8.1	0.0	340.0
04/13/15	19:00:00	93.9	1807.1	111.1	8.1	0.0	340.4
04/13/15	20:00:00	90.1	1806.7	108.2	8.1	0.0	340.7
04/13/15	21:00:00	86.1	1806.9	103.6	8.2	0.0	341.1
04/13/15	22:00:00	83.6	1806.8	98.3	8.2	0.0	341.4
04/13/15	23:00:00	83.1	1806.8	93.9	8.2	0.0	341.7
04/14/15	00:00:00	82.9	1806.7	90.5	8.2	0.0	342.1
04/14/15	01:00:00	82.8	1806.7	87.8	8.2	0.0	342.4
04/14/15	02:00:00	82.2	1806.7	85.4	8.2	0.0	342.8
04/14/15	03:00:00	80.9	1806.8	82.8	8.2	0.0	343.1
04/14/15	04:00:00	78.4	1806.7	79.4	8.3	0.0	343.4
04/14/15	05:00:00	77.2	1806.6	75.9	8.3	0.0	343.8
04/14/15	06:00:00	74.7	1806.4	72.4	8.3	0.0	344.1
04/14/15	07:00:00	72.2	1806.4	68.4	8.3	0.0	344.5
04/14/15	08:00:00	72.7	1801.8	66.1	6.2	0.0	344.7
04/14/15	09:00:00	76.6	1809.8	64.8	9.5	0.0	345.1
04/14/15	10:00:00	81.5	1811.7	64.0	9.8	0.0	345.5
04/14/15	11:00:00	85.3	1812.1	65.2	9.8	0.0	346.0
04/14/15	12:00:00	88.0	1809.3	67.4	8.6	0.0	346.3
04/14/15	13:00:00	90.9	1813.3	70.4	9.9	0.0	346.7
04/14/15	14:00:00	92.8	1813.9	74.2	9.8	0.0	347.1
04/14/15	15:00:00	94.0	1814.4	78.0	9.8	0.0	347.5
04/14/15	16:00:00	94.7	1815.0	82.1	9.8	0.0	347.9
04/14/15	17:00:00	94.5	1815.6	85.7	9.8	0.0	348.4
04/14/15	18:00:00	93.9	1816.0	88.8	9.8	0.0	348.8
04/14/15	19:00:00	92.9	1816.4	91.0	9.9	0.0	349.2
04/14/15	20:00:00	90.0	1816.3	91.6	9.8	0.0	349.6
04/14/15	21:00:00	84.7	1816.4	89.0	9.8	0.0	350.0
04/14/15	22:00:00	82.7	1816.6	84.9	9.9	0.0	350.4
04/14/15	23:00:00	81.4	1816.6	81.7	9.9	0.0	350.8
04/15/15	00:00:00	79.7	1817.2	78.1	10.1	0.0	351.2
04/15/15	01:00:00	77.1	1817.5	73.9	10.2	0.0	351.7
04/15/15	02:00:00	78.4	1817.3	70.6	10.1	0.0	352.1
04/15/15	03:00:00	77.9	1817.5	68.5	10.2	0.0	352.5
04/15/15	04:00:00	76.0	1817.4	65.6	10.2	0.0	352.9
04/15/15	05:00:00	76.6	1817.6	63.2	10.2	0.0	353.4
04/15/15	06:00:00	76.0	1817.3	61.3	10.1	0.0	353.8
04/15/15	07:00:00	75.8	1817.3	59.4	10.1	0.0	354.2
04/15/15	08:00:00	77.5	1817.6	58.2	10.2	0.0	354.6
04/15/15	09:00:00	80.8	1817.3	58.5	10.0	0.0	355.1
04/15/15	10:00:00	85.0	1817.5	60.1	9.9	0.0	355.5
04/15/15	11:00:00	88.6	1817.9	62.8	9.9	0.0	355.9
04/15/15	12:00:00	92.8	1818.5	66.8	9.9	0.0	356.3
04/15/15	13:00:00	96.0	1819.0	72.1	9.8	0.0	356.7
04/15/15	14:00:00	98.6	1819.5	78.1	9.8	0.0	357.1
04/15/15	15:00:00	100.3	1820.3	85.0	9.9	0.0	357.5
04/15/15	16:00:00	101.5	1820.9	92.6	9.9	0.0	357.9
04/15/15	17:00:00	101.6	1821.3	99.8	9.8	0.0	358.3
04/15/15	18:00:00	101.0	1821.6	106.3	9.8	0.0	358.7
04/15/15	19:00:00	98.9	1822.2	111.1	9.8	0.0	359.1
04/15/15	20:00:00	96.8	1822.0	113.6	9.8	0.0	359.6
04/15/15	21:00:00	93.6	1822.5	114.1	9.9	0.0	360.0
04/15/15	22:00:00	88.0	1822.9	110.0	10.0	0.0	360.4
04/15/15	23:00:00	85.8	1823.2	104.6	10.2	0.0	360.8

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :	TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure		
04/16/15	00:00:00	85.0	1823.2	100.2	10.1	0.0
04/16/15	01:00:00	83.0	1823.3	95.4	10.2	0.0
04/16/15	02:00:00	81.8	1823.2	90.8	10.2	0.0
04/16/15	03:00:00	78.9	1823.0	85.5	10.2	0.0
04/16/15	04:00:00	77.3	1822.9	80.5	10.2	0.0
04/16/15	05:00:00	76.0	1822.9	75.6	10.2	0.0
04/16/15	06:00:00	73.6	1822.6	70.8	10.2	0.0
04/16/15	07:00:00	72.1	1822.4	66.2	10.2	0.0
04/16/15	08:00:00	74.8	1822.3	63.1	10.2	0.0
04/16/15	09:00:00	81.9	1820.6	63.4	9.5	0.0
04/16/15	10:00:00	87.2	1821.3	65.9	9.6	0.0
04/16/15	11:00:00	92.2	1821.8	69.9	9.6	0.0
04/16/15	12:00:00	96.8	1822.2	75.6	9.5	0.0
04/16/15	13:00:00	102.4	1821.4	83.7	9.1	0.0
04/16/15	14:00:00	102.1	1809.3	88.6	2.1	0.0
04/16/15	15:00:00	106.9	1803.2	87.3	0.0	0.0
04/16/15	16:00:00	105.8	1802.0	87.5	0.0	0.0
04/16/15	17:00:00	101.3	1801.2	88.0	0.0	0.0
04/16/15	18:00:00	95.2	1800.3	88.6	0.0	0.0
04/16/15	19:00:00	88.1	1799.7	89.2	0.0	0.0
04/16/15	20:00:00	79.6	1798.7	89.7	0.0	0.0
04/16/15	21:00:00	70.3	1798.1	90.1	0.0	0.0
04/16/15	22:00:00	64.8	1797.7	90.5	0.0	0.0
04/16/15	23:00:00	62.7	1797.2	90.7	0.0	0.0
04/17/15	00:00:00	61.4	1796.7	90.9	0.0	0.0
04/17/15	01:00:00	59.5	1796.2	91.1	0.0	0.0
04/17/15	02:00:00	55.6	1795.7	91.3	0.0	0.0
04/17/15	03:00:00	52.2	1795.3	91.4	0.0	0.0
04/17/15	04:00:00	50.2	1795.0	91.6	0.0	0.0
04/17/15	05:00:00	49.6	1794.6	91.7	0.0	0.0
04/17/15	06:00:00	47.9	1794.2	91.8	0.0	0.0
04/17/15	07:00:00	46.4	1793.9	91.9	0.0	0.0
04/17/15	08:00:00	47.7	1793.6	92.1	0.0	0.0
04/17/15	09:00:00	53.0	1793.2	92.5	0.0	0.0
04/17/15	10:00:00	61.3	1792.9	92.8	0.0	0.0
04/17/15	11:00:00	74.9	1792.5	93.1	0.0	0.0
04/17/15	12:00:00	94.1	1792.2	93.5	0.0	0.0
04/17/15	13:00:00	103.2	1791.9	94.0	0.0	0.0
04/17/15	14:00:00	108.6	1791.7	94.4	0.0	0.0
04/17/15	15:00:00	109.0	1791.4	94.8	0.0	0.0
04/17/15	16:00:00	106.7	1791.2	95.2	0.0	0.0
04/17/15	17:00:00	103.5	1791.1	95.6	0.0	0.0
04/17/15	18:00:00	96.4	1790.7	95.9	0.0	0.0
04/17/15	19:00:00	87.9	1790.7	96.2	0.0	0.0
04/17/15	20:00:00	78.7	1790.2	96.4	0.0	0.0
04/17/15	21:00:00	71.0	1790.1	96.5	0.0	0.0
04/17/15	22:00:00	65.8	1790.0	96.5	0.0	0.0
04/17/15	23:00:00	62.5	1789.8	96.5	0.0	0.0
04/18/15	00:00:00	59.0	1789.7	96.5	0.0	0.0
04/18/15	01:00:00	55.3	1789.5	96.5	0.0	0.0
04/18/15	02:00:00	52.9	1789.4	96.4	0.0	0.0
04/18/15	03:00:00	51.9	1789.3	96.4	0.0	0.0
04/18/15	04:00:00	55.8	1789.1	96.4	0.3	0.3
04/18/15	05:00:00	67.7	1789.7	95.6	1.0	0.1
04/18/15	06:00:00	71.5	1790.5	91.8	1.9	0.0
04/18/15	07:00:00	72.6	1790.8	89.2	1.9	0.0
04/18/15	08:00:00	77.0	1791.4	87.5	1.9	0.0
04/18/15	09:00:00	81.5	1792.1	85.8	3.6	0.0
04/18/15	10:00:00	85.9	1792.7	84.2	3.6	0.0
04/18/15	11:00:00	90.9	1793.3	82.9	3.6	0.0
04/18/15	12:00:00	96.8	1796.0	83.9	4.9	0.0
04/18/15	13:00:00	101.8	1797.9	86.4	5.5	0.0
04/18/15	14:00:00	105.0	1798.7	90.0	5.5	0.0
04/18/15	15:00:00	106.7	1799.0	94.0	5.3	0.0
04/18/15	16:00:00	108.2	1801.7	98.7	6.5	0.0
04/18/15	17:00:00	107.8	1805.7	104.9	7.6	0.0
04/18/15	18:00:00	107.4	1806.3	110.8	7.6	0.0

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :	TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure		
04/18/15	19:00:00	105.3	1806.9	115.4	7.6	0.0
04/18/15	20:00:00	99.1	1807.4	116.4	7.7	0.0
04/18/15	21:00:00	93.3	1807.9	113.0	7.7	0.0
04/18/15	22:00:00	92.0	1808.3	109.5	7.7	0.0
04/18/15	23:00:00	91.2	1808.6	107.1	7.7	0.0
04/19/15	00:00:00	89.7	1809.1	104.7	7.8	0.0
04/19/15	01:00:00	87.4	1810.0	101.9	8.1	0.0
04/19/15	02:00:00	86.6	1810.2	98.7	8.0	0.0
04/19/15	03:00:00	82.8	1810.3	94.7	8.1	0.0
04/19/15	04:00:00	80.1	1810.4	89.8	8.0	0.0
04/19/15	05:00:00	79.2	1810.6	85.5	8.1	0.0
04/19/15	06:00:00	77.4	1810.5	81.3	8.1	0.0
04/19/15	07:00:00	77.9	1810.7	77.9	8.1	0.0
04/19/15	08:00:00	80.0	1810.7	75.8	8.0	0.0
04/19/15	09:00:00	83.8	1810.8	75.7	7.9	0.0
04/19/15	10:00:00	87.8	1811.2	76.9	7.9	0.0
04/19/15	11:00:00	93.7	1811.4	80.2	7.8	0.0
04/19/15	12:00:00	98.1	1811.9	85.3	7.7	0.0
04/19/15	13:00:00	101.9	1812.4	91.7	7.7	0.0
04/19/15	14:00:00	104.3	1813.0	98.8	7.7	0.0
04/19/15	15:00:00	107.5	1813.5	107.1	7.7	0.0
04/19/15	16:00:00	109.6	1814.1	116.8	7.7	0.0
04/19/15	17:00:00	110.3	1814.6	126.6	7.7	0.0
04/19/15	18:00:00	108.4	1814.8	134.7	7.7	0.0
04/19/15	19:00:00	103.0	1815.4	138.2	7.8	0.0
04/19/15	20:00:00	96.1	1815.5	135.8	7.9	0.0
04/19/15	21:00:00	91.8	1815.7	129.9	7.9	0.0
04/19/15	22:00:00	89.5	1815.8	124.1	7.9	0.0
04/19/15	23:00:00	88.3	1815.8	119.0	7.9	0.0
04/20/15	00:00:00	87.1	1815.9	114.4	7.9	0.0
04/20/15	01:00:00	83.9	1815.9	109.3	8.0	0.0
04/20/15	02:00:00	82.5	1815.9	103.7	8.0	0.0
04/20/15	03:00:00	81.7	1815.8	99.1	8.0	0.0
04/20/15	04:00:00	80.7	1815.7	94.6	8.0	0.0
04/20/15	05:00:00	81.0	1815.7	91.0	8.0	0.0
04/20/15	06:00:00	80.4	1815.7	87.8	8.0	0.0
04/20/15	07:00:00	79.9	1815.7	84.7	8.0	0.0
04/20/15	08:00:00	81.8	1815.8	82.7	8.0	0.0
04/20/15	09:00:00	84.5	1815.2	82.3	7.7	0.0
04/20/15	10:00:00	89.1	1814.8	83.9	7.4	0.0
04/20/15	11:00:00	92.9	1814.9	86.7	7.3	0.0
04/20/15	12:00:00	96.1	1808.9	89.9	4.1	0.0
04/20/15	13:00:00	98.8	1814.2	93.6	6.8	0.0
04/20/15	14:00:00	102.0	1821.8	100.8	9.5	0.0
04/20/15	15:00:00	104.7	1822.5	110.1	9.4	0.0
04/20/15	16:00:00	105.3	1823.4	119.7	9.4	0.0
04/20/15	17:00:00	104.2	1824.2	128.1	9.5	0.0
04/20/15	18:00:00	101.1	1824.5	133.7	9.5	0.0
04/20/15	19:00:00	97.0	1824.8	134.9	9.5	0.0
04/20/15	20:00:00	93.3	1825.1	132.3	9.5	0.0
04/20/15	21:00:00	90.3	1825.5	127.9	9.6	0.0
04/20/15	22:00:00	88.2	1825.6	122.6	9.6	0.0
04/20/15	23:00:00	86.4	1826.0	117.1	9.7	0.0
04/21/15	00:00:00	84.8	1826.2	111.5	9.8	0.0
04/21/15	01:00:00	84.5	1822.8	106.7	8.6	0.0
04/21/15	02:00:00	83.4	1819.9	102.9	7.7	0.0
04/21/15	03:00:00	83.0	1819.7	99.4	7.7	0.0
04/21/15	04:00:00	82.7	1823.0	96.1	8.9	0.0
04/21/15	05:00:00	82.9	1826.1	92.5	9.8	0.0
04/21/15	06:00:00	82.5	1826.1	89.5	9.8	0.0
04/21/15	07:00:00	82.8	1826.3	87.1	9.8	0.0
04/21/15	08:00:00	83.8	1826.6	85.5	9.8	0.0
04/21/15	09:00:00	86.2	1826.7	85.5	9.8	0.0
04/21/15	10:00:00	89.1	1826.8	87.0	9.7	0.0
04/21/15	11:00:00	92.3	1826.1	90.2	9.2	0.0
04/21/15	12:00:00	94.6	1821.8	94.0	7.7	0.0
04/21/15	13:00:00	98.9	1820.3	98.3	6.3	0.5

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :		TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure			
04/21/15	14:00:00	100.1	1825.8	102.8	9.0	0.0	392.6
04/21/15	15:00:00	100.5	1827.8	110.2	9.5	0.0	393.0
04/21/15	16:00:00	100.3	1828.7	116.5	9.5	0.0	393.4
04/21/15	17:00:00	99.1	1829.2	121.6	9.6	0.0	393.8
04/21/15	18:00:00	96.4	1829.7	124.5	9.7	0.0	394.2
04/21/15	19:00:00	93.5	1829.7	124.1	9.6	0.0	394.6
04/21/15	20:00:00	90.4	1829.5	121.5	9.5	0.0	395.0
04/21/15	21:00:00	85.9	1824.8	116.1	8.0	0.0	395.3
04/21/15	22:00:00	82.4	1828.5	109.3	9.4	0.0	395.7
04/21/15	23:00:00	80.7	1829.9	101.8	9.9	0.0	396.1
04/22/15	00:00:00	79.6	1829.6	95.6	9.8	0.0	396.5
04/22/15	01:00:00	78.4	1829.5	90.1	9.8	0.0	396.9
04/22/15	02:00:00	78.2	1829.7	85.3	9.8	0.0	397.3
04/22/15	03:00:00	77.8	1829.8	81.4	9.9	0.0	397.7
04/22/15	04:00:00	77.0	1829.8	77.7	9.9	0.0	398.2
04/22/15	05:00:00	76.5	1829.7	74.2	9.8	0.0	398.6
04/22/15	06:00:00	79.0	1829.9	72.2	9.8	0.0	399.0
04/22/15	07:00:00	81.2	1829.9	71.8	9.8	0.0	399.4
04/22/15	08:00:00	81.9	1830.3	71.6	9.8	0.0	399.8
04/22/15	09:00:00	85.2	1830.3	72.5	9.7	0.0	400.2
04/22/15	10:00:00	84.1	1830.7	73.4	9.8	0.0	400.6
04/22/15	11:00:00	88.5	1830.4	74.9	9.5	0.0	401.0
04/22/15	12:00:00	93.2	1830.6	79.3	9.5	0.0	401.4
04/22/15	13:00:00	96.2	1826.2	84.4	7.8	0.0	401.7
04/22/15	14:00:00	98.0	1825.2	89.6	7.4	0.0	402.0
04/22/15	15:00:00	100.0	1823.8	94.2	6.6	0.0	402.3
04/22/15	16:00:00	102.9	1822.4	99.3	5.8	0.0	402.5
04/22/15	17:00:00	104.8	1831.3	108.3	9.4	0.0	402.9
04/22/15	18:00:00	105.0	1832.3	117.9	9.4	0.0	403.3
04/22/15	19:00:00	102.8	1832.9	126.1	9.5	0.0	403.7
04/22/15	20:00:00	97.5	1833.2	128.8	9.5	0.0	404.1
04/22/15	21:00:00	92.7	1833.7	126.5	9.6	0.0	404.5
04/22/15	22:00:00	91.9	1833.9	123.6	9.6	0.0	404.9
04/22/15	23:00:00	90.2	1834.2	121.0	9.7	0.0	405.3
04/23/15	00:00:00	88.3	1834.5	117.4	9.8	0.0	405.7
04/23/15	01:00:00	85.5	1834.4	112.5	9.7	0.0	406.1
04/23/15	02:00:00	85.6	1834.7	108.6	9.8	0.0	406.5
04/23/15	03:00:00	83.2	1835.1	103.7	10.0	0.0	407.0
04/23/15	04:00:00	81.6	1834.8	98.3	9.9	0.0	407.4
04/23/15	05:00:00	80.0	1834.7	93.3	9.9	0.0	407.8
04/23/15	06:00:00	78.2	1834.5	88.0	9.9	0.0	408.2
04/23/15	07:00:00	77.9	1834.5	83.4	9.9	0.0	408.6
04/23/15	08:00:00	79.7	1834.8	80.2	9.9	0.0	409.0
04/23/15	09:00:00	83.1	1834.5	79.7	9.8	0.0	409.4
04/23/15	10:00:00	88.1	1834.6	81.4	9.7	0.0	409.8
04/23/15	11:00:00	92.4	1834.9	85.3	9.6	0.0	410.2
04/23/15	12:00:00	96.5	1835.4	91.3	9.6	0.0	410.6
04/23/15	13:00:00	99.9	1835.7	98.7	9.5	0.0	411.0
04/23/15	14:00:00	104.1	1836.4	108.7	9.5	0.0	411.4
04/23/15	15:00:00	106.6	1836.9	120.4	9.5	0.0	411.8
04/23/15	16:00:00	108.7	1837.3	133.5	9.4	0.0	412.2
04/23/15	17:00:00	106.6	1837.8	145.0	9.4	0.0	412.6
04/23/15	18:00:00	102.2	1838.2	150.4	9.5	0.0	413.0
04/23/15	19:00:00	100.0	1838.4	152.9	9.5	0.0	413.4
04/23/15	20:00:00	97.1	1838.3	152.3	9.5	0.0	413.8
04/23/15	21:00:00	94.8	1838.8	150.4	9.6	0.0	414.2
04/23/15	22:00:00	92.7	1839.2	146.5	9.7	0.0	414.6
04/23/15	23:00:00	86.2	1839.5	138.6	9.8	0.0	415.0
04/24/15	00:00:00	86.2	1839.2	129.2	9.8	0.0	415.4
04/24/15	01:00:00	90.0	1839.2	126.4	9.7	0.0	415.8
04/24/15	02:00:00	89.9	1839.3	125.0	9.7	0.0	416.2
04/24/15	03:00:00	88.4	1839.4	122.3	9.8	0.0	416.6
04/24/15	04:00:00	86.8	1839.7	118.2	9.9	0.0	417.1
04/24/15	05:00:00	86.1	1839.7	114.1	9.9	0.0	417.5
04/24/15	06:00:00	85.7	1839.6	110.2	9.8	0.0	417.9
04/24/15	07:00:00	76.2	1822.4	108.7	0.2	0.0	417.9
04/24/15	08:00:00	56.5	1819.5	110.5	0.0	0.0	417.9

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :	TIT-002 I/W	PIT-012 I/W Well	PIT-018 I/W Well	FE-004 Injection Gas	FE-009 Air Flow to	Cumulative Net	
	Manifold	Tubing	Annulus	Flow Rate	Atmosphere	Injection	
Date	Time	Temp	Pressure	Pressure	(MMSCFD)	(MMSCFD)	Volume
04/24/15	09:00:00	59.2	1818.7	111.1	0.0	0.0	417.9
04/24/15	10:00:00	63.3	1817.9	111.5	0.0	0.0	417.9
04/24/15	11:00:00	69.9	1817.1	111.8	0.0	0.0	417.9
04/24/15	12:00:00	81.5	1816.4	112.2	0.0	0.0	417.9
04/24/15	13:00:00	87.1	1815.8	112.4	0.0	0.0	417.9
04/24/15	14:00:00	96.0	1816.1	112.6	1.4	0.5	417.9
04/24/15	15:00:00	97.1	1827.8	113.4	7.7	0.0	418.2
04/24/15	16:00:00	98.3	1834.1	115.6	9.6	0.0	418.6
04/24/15	17:00:00	98.9	1834.8	119.3	9.6	0.0	419.0
04/24/15	18:00:00	96.2	1835.3	122.0	9.6	0.0	419.4
04/24/15	19:00:00	92.2	1835.7	120.5	9.6	0.0	419.8
04/24/15	20:00:00	90.1	1836.1	117.7	9.6	0.0	420.2
04/24/15	21:00:00	89.2	1836.5	114.7	9.7	0.0	420.6
04/24/15	22:00:00	88.5	1836.8	112.4	9.7	0.0	421.0
04/24/15	23:00:00	88.2	1837.2	110.2	9.7	0.0	421.4
04/25/15	00:00:00	85.5	1837.3	107.1	9.7	0.0	421.9
04/25/15	01:00:00	84.5	1837.5	102.9	9.7	0.0	422.3
04/25/15	02:00:00	84.2	1837.6	99.8	9.7	0.0	422.7
04/25/15	03:00:00	83.2	1837.7	95.8	9.7	0.0	423.1
04/25/15	04:00:00	84.1	1838.1	93.7	9.8	0.0	423.5
04/25/15	05:00:00	84.9	1838.3	92.0	9.8	0.0	423.9
04/25/15	06:00:00	84.9	1838.5	91.1	9.7	0.0	424.3
04/25/15	07:00:00	84.5	1838.7	89.9	9.8	0.0	424.7
04/25/15	08:00:00	86.1	1838.8	89.2	9.7	0.0	425.1
04/25/15	09:00:00	88.1	1839.2	90.3	9.8	0.0	425.5
04/25/15	10:00:00	89.3	1839.4	91.9	9.7	0.0	425.9
04/25/15	11:00:00	90.7	1839.6	93.8	9.6	0.0	426.3
04/25/15	12:00:00	93.0	1840.0	97.1	9.6	0.0	426.7
04/25/15	13:00:00	92.9	1840.4	100.0	9.6	0.0	427.1
04/25/15	14:00:00	94.7	1839.5	103.5	9.1	0.0	427.5
04/25/15	15:00:00	97.2	1839.8	108.0	9.2	0.0	427.9
04/25/15	16:00:00	98.8	1842.0	114.3	9.7	0.0	428.3
04/25/15	17:00:00	99.1	1842.3	120.6	9.7	0.0	428.7
04/25/15	18:00:00	98.2	1842.5	125.4	9.7	0.0	429.1
04/25/15	19:00:00	96.4	1842.9	128.5	9.7	0.0	429.5
04/25/15	20:00:00	92.6	1842.9	128.0	9.7	0.0	429.9
04/25/15	21:00:00	89.8	1843.3	124.5	9.8	0.0	430.3
04/25/15	22:00:00	87.5	1843.3	120.3	9.8	0.0	430.7
04/25/15	23:00:00	87.7	1843.8	116.4	9.9	0.0	431.1
04/26/15	00:00:00	86.3	1843.9	113.0	9.9	0.0	431.5
04/26/15	01:00:00	84.9	1843.9	108.6	10.0	0.0	432.0
04/26/15	02:00:00	84.3	1843.9	104.5	9.9	0.0	432.4
04/26/15	03:00:00	83.3	1843.8	100.7	9.9	0.0	432.8
04/26/15	04:00:00	82.5	1843.9	96.8	10.0	0.0	433.2
04/26/15	05:00:00	81.0	1843.9	92.6	10.0	0.0	433.6
04/26/15	06:00:00	80.2	1844.0	88.7	10.0	0.0	434.0
04/26/15	07:00:00	79.8	1843.9	85.0	10.0	0.0	434.4
04/26/15	08:00:00	83.3	1843.8	83.6	9.9	0.0	434.9
04/26/15	09:00:00	87.6	1843.6	84.9	9.7	0.0	435.3
04/26/15	10:00:00	91.8	1844.0	88.5	9.7	0.0	435.7
04/26/15	11:00:00	93.9	1844.1	93.0	9.6	0.0	436.1
04/26/15	12:00:00	95.4	1844.4	97.9	9.5	0.0	436.5
04/26/15	13:00:00	99.2	1845.2	104.3	9.6	0.0	436.9
04/26/15	14:00:00	102.1	1845.4	113.0	9.5	0.0	437.3
04/26/15	15:00:00	104.5	1846.1	123.3	9.5	0.0	437.7
04/26/15	16:00:00	104.6	1846.6	133.2	9.5	0.0	438.0
04/26/15	17:00:00	105.7	1846.9	142.9	9.5	0.0	438.4
04/26/15	18:00:00	106.0	1847.0	153.1	9.4	0.0	438.8
04/26/15	19:00:00	104.1	1847.5	161.0	9.4	0.0	439.2
04/26/15	20:00:00	99.4	1847.6	163.7	9.5	0.0	439.6
04/26/15	21:00:00	94.5	1847.8	159.7	9.6	0.0	440.0
04/26/15	22:00:00	91.9	1848.2	153.4	9.7	0.0	440.4
04/26/15	23:00:00	90.9	1848.5	147.9	9.8	0.0	440.8
04/27/15	00:00:00	89.7	1848.7	142.4	9.8	0.0	441.2
04/27/15	01:00:00	89.1	1848.6	137.5	9.8	0.0	441.6
04/27/15	02:00:00	87.8	1848.7	132.7	9.8	0.0	442.1
04/27/15	03:00:00	85.5	1848.9	126.9	9.9	0.0	442.5

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :	TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume	
Date	Time	Temp	Pressure	Pressure			
04/27/15	04:00:00	84.5	1848.7	119.7	9.8	0.0	442.9
04/27/15	05:00:00	86.3	1848.6	116.1	9.8	0.0	443.3
04/27/15	06:00:00	85.7	1848.7	113.3	9.8	0.0	443.7
04/27/15	07:00:00	83.5	1848.6	108.5	9.8	0.0	444.1
04/27/15	08:00:00	85.2	1848.3	105.1	9.7	0.0	444.5
04/27/15	09:00:00	89.9	1848.0	106.0	9.5	0.0	444.9
04/27/15	10:00:00	94.1	1848.6	109.8	9.6	0.0	445.3
04/27/15	11:00:00	97.2	1849.0	115.9	9.6	0.0	445.7
04/27/15	12:00:00	101.6	1849.4	124.5	9.6	0.0	446.1
04/27/15	13:00:00	103.7	1849.6	134.9	9.5	0.0	446.5
04/27/15	14:00:00	107.0	1849.4	146.8	9.2	0.0	446.9
04/27/15	15:00:00	109.7	1850.1	160.9	9.2	0.0	447.3
04/27/15	16:00:00	111.3	1850.6	176.1	9.2	0.0	447.7
04/27/15	17:00:00	110.9	1851.0	191.1	9.2	0.0	448.0
04/27/15	18:00:00	109.3	1851.3	202.6	9.3	0.0	448.4
04/27/15	19:00:00	108.5	1851.9	211.6	9.3	0.0	448.8
04/27/15	20:00:00	107.8	1852.0	219.2	9.3	0.0	449.2
04/27/15	21:00:00	103.2	1852.5	222.3	9.4	0.0	449.6
04/27/15	22:00:00	99.3	1852.7	216.8	9.4	0.0	450.0
04/27/15	23:00:00	99.0	1853.2	212.1	9.6	0.0	450.4
04/28/15	00:00:00	96.3	1853.8	207.5	9.7	0.0	450.8
04/28/15	01:00:00	92.5	1853.9	197.9	9.8	0.0	451.2
04/28/15	02:00:00	86.8	1853.7	184.1	9.8	0.0	451.6
04/28/15	03:00:00	85.2	1853.4	168.4	9.8	0.0	452.0
04/28/15	04:00:00	86.5	1853.4	157.7	9.8	0.0	452.4
04/28/15	05:00:00	84.6	1853.4	148.4	9.9	0.0	452.8
04/28/15	06:00:00	86.1	1853.4	141.3	9.8	0.0	453.2
04/28/15	07:00:00	85.8	1853.5	135.6	9.8	0.0	453.7
04/28/15	08:00:00	87.8	1853.6	131.8	9.8	0.0	454.1
04/28/15	09:00:00	88.9	1852.9	130.1	9.6	0.0	454.5
04/28/15	10:00:00	93.4	1852.8	131.4	9.5	0.0	454.9
04/28/15	11:00:00	99.8	1852.8	138.4	9.4	0.0	455.3
04/28/15	12:00:00	103.7	1853.2	149.3	9.3	0.0	455.6
04/28/15	13:00:00	107.8	1853.7	163.0	9.3	0.0	456.0
04/28/15	14:00:00	111.2	1854.1	180.0	9.2	0.0	456.4
04/28/15	15:00:00	113.4	1854.7	198.5	9.2	0.0	456.8
04/28/15	16:00:00	114.5	1854.9	217.7	9.1	0.0	457.2
04/28/15	17:00:00	112.8	1855.6	232.9	9.3	0.0	457.6
04/28/15	18:00:00	111.4	1856.0	245.0	9.3	0.0	458.0
04/28/15	19:00:00	108.0	1856.4	251.5	9.3	0.0	458.3
04/28/15	20:00:00	103.4	1856.5	250.2	9.4	0.0	458.7
04/28/15	21:00:00	99.9	1856.9	244.5	9.6	0.0	459.1
04/28/15	22:00:00	94.2	1857.1	232.7	9.7	0.0	459.5
04/28/15	23:00:00	89.6	1857.2	215.9	9.7	0.0	459.9
04/29/15	00:00:00	87.2	1857.0	198.4	9.8	0.0	460.4
04/29/15	01:00:00	86.3	1857.3	184.5	9.9	0.0	460.8
04/29/15	02:00:00	83.3	1857.1	169.1	9.9	0.0	461.2
04/29/15	03:00:00	83.5	1857.0	156.5	9.9	0.0	461.6
04/29/15	04:00:00	82.7	1856.7	145.7	9.9	0.0	462.0
04/29/15	05:00:00	81.9	1856.6	136.1	9.9	0.0	462.4
04/29/15	06:00:00	81.4	1856.3	127.4	9.9	0.0	462.8
04/29/15	07:00:00	84.5	1856.3	122.5	9.8	0.0	463.2
04/29/15	08:00:00	85.7	1856.5	120.3	9.8	0.0	463.6
04/29/15	09:00:00	89.9	1856.0	120.2	9.7	0.0	464.0
04/29/15	10:00:00	95.6	1856.2	125.2	9.6	0.0	464.4
04/29/15	11:00:00	99.8	1856.3	133.4	9.5	0.0	464.8
04/29/15	12:00:00	104.0	1856.6	144.9	9.3	0.0	465.2
04/29/15	13:00:00	106.9	1857.2	158.6	9.4	0.0	465.6
04/29/15	14:00:00	109.8	1857.6	174.4	9.3	0.0	466.0
04/29/15	15:00:00	111.7	1858.3	191.7	9.3	0.0	466.4
04/29/15	16:00:00	113.2	1858.7	209.9	9.3	0.0	466.8
04/29/15	17:00:00	112.9	1859.0	226.5	9.3	0.0	467.2

**Attachment 1a - Continuous Monitoring Device Data for I/W Well - Hourly**

Instrument Tag # :	TIT-002 I/W Manifold	PIT-012 I/W Well Tubing	PIT-018 I/W Well Annulus	FE-004 Injection Gas Flow Rate (MMSCFD)	FE-009 Air Flow to Atmosphere (MMSCFD)	Cumulative Net Injection Volume
Date	Time	Temp	Pressure	Pressure		
04/29/15	18:00:00	111.9	1859.2	240.5	9.3	0.0
04/29/15	19:00:00	109.1	1859.7	249.7	9.3	0.0
04/29/15	20:00:00	103.6	1859.6	250.7	9.3	0.0
04/29/15	21:00:00	98.0	1859.8	241.7	9.4	0.0
04/29/15	22:00:00	95.4	1860.2	230.2	9.5	0.0
04/29/15	23:00:00	95.0	1860.5	221.3	9.6	0.0
04/30/15	00:00:00	92.4	1860.6	211.7	9.7	0.0
04/30/15	01:00:00	89.9	1860.5	201.6	9.7	0.0
04/30/15	02:00:00	86.5	1860.5	186.7	9.8	0.0
04/30/15	03:00:00	85.0	1860.5	173.2	9.8	0.0
04/30/15	04:00:00	83.7	1860.3	161.3	9.8	0.0
04/30/15	05:00:00	84.0	1860.0	150.2	9.8	0.0
04/30/15	06:00:00	84.3	1859.8	142.7	9.7	0.0
04/30/15	07:00:00	82.1	1859.5	134.1	9.7	0.0
04/30/15	08:00:00	85.4	1859.5	128.8	9.7	0.0
04/30/15	09:00:00	91.9	1859.2	129.8	9.5	0.0
04/30/15	10:00:00	97.6	1859.6	136.7	9.5	0.0
04/30/15	11:00:00	101.9	1859.7	146.8	9.4	0.0
04/30/15	12:00:00	106.3	1859.8	159.9	9.2	0.0
04/30/15	13:00:00	110.1	1860.3	176.7	9.2	0.0
04/30/15	14:00:00	113.6	1861.1	196.2	9.2	0.0
04/30/15	15:00:00	115.4	1861.9	218.4	9.2	0.0
04/30/15	16:00:00	116.3	1862.3	239.8	9.2	0.0
04/30/15	17:00:00	115.9	1862.7	259.0	9.2	0.0
04/30/15	18:00:00	115.3	1862.8	275.5	9.2	0.0
04/30/15	19:00:00	112.3	1863.1	286.8	9.1	0.0
04/30/15	20:00:00	109.8	1863.2	291.6	9.2	0.0
04/30/15	21:00:00	104.7	1863.5	290.7	9.3	0.0
04/30/15	22:00:00	101.4	1864.1	282.0	9.5	0.0
04/30/15	23:00:00	97.8	1864.3	271.9	9.5	0.0
05/01/15	00:00:00	97.2	1864.6	261.4	9.6	0.0
<b>Monthly Statistics</b>						
February Average:	71.4	1638.8	38.8	2.7	0.0	February Monthly Total
February Minimum:	42.4	1615.3	20.2	0.0	0.0	38.6
February Maximum:	111.3	1672.5	85.7	6.4	5.0	
March Average:	83.6	1720.5	59.4	6.6	0.0	March Monthly Total
March Minimum:	49.5	1656.1	25.4	0.0	0.0	204.5
March Maximum:	117.6	1783.5	151.9	10.7	6.2	
April Average:	85.9	1810.4	98.2	7.9	0.0	April Monthly Total
April Minimum:	42.8	1739.6	39.0	0.0	0.0	236.2
April Maximum:	117.7	1864.8	293.3	12.2	9.8	

**Notes:**

- 1) Data are missing on 3/08/15 at 02:00:00 hours because this hour was lost due to daylight savings time.
- 2) Data are missing on 4/03/15 at 08:00:00 hours because the DAS data recording system was down.  
No data was being recorded during this period.

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/08/15	01:00:00	0.0	0.0
02/08/15	02:00:00	0.0	0.0
02/08/15	03:00:00	0.0	0.0
02/08/15	04:00:00	0.0	0.0
02/08/15	05:00:00	0.0	0.0
02/08/15	06:00:00	0.0	0.0
02/08/15	07:00:00	0.0	0.0
02/08/15	08:00:00	0.0	0.0
02/08/15	09:00:00	0.0	0.0
02/08/15	10:00:00	0.0	0.0
02/08/15	11:00:00	0.0	0.0
02/08/15	12:00:00	0.0	0.0
02/08/15	13:00:00	0.0	0.0
02/08/15	14:00:00	0.0	0.0
02/08/15	15:00:00	0.0	0.0
02/08/15	16:00:00	0.0	0.0
02/08/15	17:00:00	0.0	0.0
02/08/15	18:00:00	0.0	0.0
02/08/15	19:00:00	0.0	0.0
02/08/15	20:00:00	0.0	0.0
02/08/15	21:00:00	0.0	0.0
02/08/15	22:00:00	0.0	0.0
02/08/15	23:00:00	0.0	0.0
02/09/15	00:00:00	0.0	0.0
02/09/15	01:00:00	0.0	0.0
02/09/15	02:00:00	0.0	0.0
02/09/15	03:00:00	0.0	0.0
02/09/15	04:00:00	0.0	0.0
02/09/15	05:00:00	0.0	0.0
02/09/15	06:00:00	0.0	0.0
02/09/15	07:00:00	0.0	0.0
02/09/15	08:00:00	0.0	0.0
02/09/15	09:00:00	0.0	0.0
02/09/15	10:00:00	0.0	0.0
02/09/15	11:00:00	0.0	0.0
02/09/15	12:00:00	0.0	0.0
02/09/15	13:00:00	0.0	0.0
02/09/15	14:00:00	0.0	0.0
02/09/15	15:00:00	0.0	0.0
02/09/15	16:00:00	0.0	0.0
02/09/15	17:00:00	0.0	0.0
02/09/15	18:00:00	0.0	0.0
02/09/15	19:00:00	0.0	0.0
02/09/15	20:00:00	0.0	0.0
02/09/15	21:00:00	0.0	0.0
02/09/15	22:00:00	0.0	0.0
02/09/15	23:00:00	0.0	0.0
02/10/15	00:00:00	0.0	0.0
02/10/15	01:00:00	0.0	0.0
02/10/15	02:00:00	0.0	0.0
02/10/15	03:00:00	0.0	0.0
02/10/15	04:00:00	0.0	0.0
02/10/15	05:00:00	0.0	0.0
02/10/15	06:00:00	0.0	0.0
02/10/15	07:00:00	0.0	0.0
02/10/15	08:00:00	0.0	0.0

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/10/15	09:00:00	0.0	0.0
02/10/15	10:00:00	0.0	0.0
02/10/15	11:00:00	0.0	0.0
02/10/15	12:00:00	0.0	0.0
02/10/15	13:00:00	0.0	0.0
02/10/15	14:00:00	0.0	0.0
02/10/15	15:00:00	0.0	0.0
02/10/15	16:00:00	0.0	0.0
02/10/15	17:00:00	0.0	0.0
02/10/15	18:00:00	0.0	0.0
02/10/15	19:00:00	0.0	0.0
02/10/15	20:00:00	0.0	0.0
02/10/15	21:00:00	0.0	0.0
02/10/15	22:00:00	0.0	0.0
02/10/15	23:00:00	0.0	0.0
02/11/15	00:00:00	0.0	0.0
02/11/15	01:00:00	0.0	0.0
02/11/15	02:00:00	0.0	0.0
02/11/15	03:00:00	0.0	0.0
02/11/15	04:00:00	0.0	0.0
02/11/15	05:00:00	0.0	0.0
02/11/15	06:00:00	0.0	0.0
02/11/15	07:00:00	0.0	0.0
02/11/15	08:00:00	0.0	0.0
02/11/15	09:00:00	0.0	0.0
02/11/15	10:00:00	0.0	0.0
02/11/15	11:00:00	0.0	0.0
02/11/15	12:00:00	0.0	0.0
02/11/15	13:00:00	0.0	0.0
02/11/15	14:00:00	0.0	0.0
02/11/15	15:00:00	0.0	0.0
02/11/15	16:00:00	0.7	0.0
02/11/15	17:00:00	1.8	0.0
02/11/15	18:00:00	2.4	0.0
02/11/15	19:00:00	2.9	0.0
02/11/15	20:00:00	3.4	0.0
02/11/15	21:00:00	4.0	0.0
02/11/15	22:00:00	4.5	0.0
02/11/15	23:00:00	5.0	0.0
02/12/15	00:00:00	5.5	0.0
02/12/15	01:00:00	6.1	0.0
02/12/15	02:00:00	6.6	0.0
02/12/15	03:00:00	7.2	0.0
02/12/15	04:00:00	7.7	0.0
02/12/15	05:00:00	8.3	0.0
02/12/15	06:00:00	8.9	0.0
02/12/15	07:00:00	9.5	0.0
02/12/15	08:00:00	10.3	0.0
02/12/15	09:00:00	11.2	0.0
02/12/15	10:00:00	12.2	0.0
02/12/15	11:00:00	13.6	0.0
02/12/15	12:00:00	14.7	0.0
02/12/15	13:00:00	15.9	0.0
02/12/15	14:00:00	17.1	0.0
02/12/15	15:00:00	18.2	0.0
02/12/15	16:00:00	19.1	0.0

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/12/15	17:00:00	20.1	0.0
02/12/15	18:00:00	20.5	0.0
02/12/15	19:00:00	21.1	0.0
02/12/15	20:00:00	21.6	0.0
02/12/15	21:00:00	22.2	0.0
02/12/15	22:00:00	22.8	0.0
02/12/15	23:00:00	23.3	0.0
02/13/15	00:00:00	23.9	0.0
02/13/15	01:00:00	24.5	0.0
02/13/15	02:00:00	25.0	0.0
02/13/15	03:00:00	25.6	0.0
02/13/15	04:00:00	26.2	0.0
02/13/15	05:00:00	26.8	0.0
02/13/15	06:00:00	27.4	0.0
02/13/15	07:00:00	28.1	0.0
02/13/15	08:00:00	28.8	0.0
02/13/15	09:00:00	29.9	0.0
02/13/15	10:00:00	31.2	0.0
02/13/15	11:00:00	32.8	0.0
02/13/15	12:00:00	34.2	0.0
02/13/15	13:00:00	35.6	0.0
02/13/15	14:00:00	533.3	0.0
02/13/15	15:00:00	1684.1	0.0
02/13/15	16:00:00	1683.9	0.0
02/13/15	17:00:00	1664.3	1.1
02/13/15	18:00:00	1638.4	0.0
02/13/15	19:00:00	1637.7	0.0
02/13/15	20:00:00	1637.5	0.0
02/13/15	21:00:00	1637.4	0.0
02/13/15	22:00:00	1637.3	0.0
02/13/15	23:00:00	1637.2	0.0
02/14/15	00:00:00	1637.2	0.0
02/14/15	01:00:00	1637.2	0.0
02/14/15	02:00:00	1637.2	0.0
02/14/15	03:00:00	1637.2	0.0
02/14/15	04:00:00	1637.2	0.0
02/14/15	05:00:00	1637.2	0.0
02/14/15	06:00:00	1637.2	0.0
02/14/15	07:00:00	1637.2	0.0
02/14/15	08:00:00	1637.3	0.0
02/14/15	09:00:00	1637.4	0.0
02/14/15	10:00:00	1637.3	0.0
02/14/15	11:00:00	1637.4	0.0
02/14/15	12:00:00	1637.0	0.0
02/14/15	13:00:00	1637.2	0.0
02/14/15	14:00:00	1636.6	1.1
02/14/15	15:00:00	1630.8	2.3
02/14/15	16:00:00	1632.2	2.3
02/14/15	17:00:00	1631.9	1.9
02/14/15	18:00:00	1625.4	1.1
02/14/15	19:00:00	1626.4	1.3
02/14/15	20:00:00	1628.9	1.9
02/14/15	21:00:00	1629.3	1.8
02/14/15	22:00:00	1629.5	1.9
02/14/15	23:00:00	1629.8	1.9
02/15/15	00:00:00	1628.2	1.5

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/15/15	01:00:00	1629.3	1.9
02/15/15	02:00:00	1626.5	1.1
02/15/15	03:00:00	1627.3	1.7
02/15/15	04:00:00	1629.8	2.1
02/15/15	05:00:00	1630.0	2.1
02/15/15	06:00:00	1630.2	2.1
02/15/15	07:00:00	1630.5	2.1
02/15/15	08:00:00	1630.6	2.0
02/15/15	09:00:00	1630.1	1.9
02/15/15	10:00:00	1629.7	1.8
02/15/15	11:00:00	1629.0	1.6
02/15/15	12:00:00	1629.5	1.8
02/15/15	13:00:00	1629.6	1.8
02/15/15	14:00:00	1628.0	1.2
02/15/15	15:00:00	1627.5	1.5
02/15/15	16:00:00	1628.7	1.6
02/15/15	17:00:00	1629.1	1.7
02/15/15	18:00:00	1629.2	1.8
02/15/15	19:00:00	1629.3	1.8
02/15/15	20:00:00	1629.5	1.9
02/15/15	21:00:00	1629.8	1.9
02/15/15	22:00:00	1629.9	1.9
02/15/15	23:00:00	1630.0	1.9
02/16/15	00:00:00	1630.1	1.9
02/16/15	01:00:00	1630.1	1.9
02/16/15	02:00:00	1630.7	2.1
02/16/15	03:00:00	1631.0	2.1
02/16/15	04:00:00	1631.0	2.1
02/16/15	05:00:00	1631.0	2.1
02/16/15	06:00:00	1630.5	1.9
02/16/15	07:00:00	1630.8	2.0
02/16/15	08:00:00	1631.0	2.0
02/16/15	09:00:00	1630.6	1.9
02/16/15	10:00:00	1630.6	1.9
02/16/15	11:00:00	1630.5	1.8
02/16/15	12:00:00	1630.3	1.7
02/16/15	13:00:00	1630.4	1.6
02/16/15	14:00:00	1630.3	1.6
02/16/15	15:00:00	1630.2	1.6
02/16/15	16:00:00	1629.9	1.6
02/16/15	17:00:00	1630.3	1.7
02/16/15	18:00:00	1629.9	1.7
02/16/15	19:00:00	1630.1	1.8
02/16/15	20:00:00	1630.3	1.9
02/16/15	21:00:00	1630.6	1.9
02/16/15	22:00:00	1630.8	2.0
02/16/15	23:00:00	1631.2	2.0
02/17/15	00:00:00	1631.0	1.9
02/17/15	01:00:00	1630.8	1.9
02/17/15	02:00:00	1630.9	2.0
02/17/15	03:00:00	1631.1	2.0
02/17/15	04:00:00	1631.4	2.2
02/17/15	05:00:00	1631.7	2.2
02/17/15	06:00:00	1631.8	2.1
02/17/15	07:00:00	1625.5	0.0
02/17/15	08:00:00	1623.2	0.0

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/17/15	09:00:00	1621.8	0.0
02/17/15	10:00:00	1620.8	0.0
02/17/15	11:00:00	1620.0	0.0
02/17/15	12:00:00	1619.5	0.0
02/17/15	13:00:00	1618.9	0.0
02/17/15	14:00:00	1618.6	0.0
02/17/15	15:00:00	1618.3	0.0
02/17/15	16:00:00	1617.8	0.0
02/17/15	17:00:00	1617.8	0.0
02/17/15	18:00:00	1617.4	0.0
02/17/15	19:00:00	1617.3	0.0
02/17/15	20:00:00	1617.2	0.0
02/17/15	21:00:00	1617.1	0.0
02/17/15	22:00:00	1617.0	0.0
02/17/15	23:00:00	1616.8	0.0
02/18/15	00:00:00	1616.7	0.0
02/18/15	01:00:00	1616.6	0.0
02/18/15	02:00:00	1616.6	0.0
02/18/15	03:00:00	1616.5	0.0
02/18/15	04:00:00	1616.4	0.0
02/18/15	05:00:00	1616.4	0.0
02/18/15	06:00:00	1616.3	0.0
02/18/15	07:00:00	1616.2	0.0
02/18/15	08:00:00	1616.4	0.0
02/18/15	09:00:00	1616.3	0.0
02/18/15	10:00:00	1616.1	0.0
02/18/15	11:00:00	1616.0	0.0
02/18/15	12:00:00	1616.0	0.0
02/18/15	13:00:00	1616.0	0.0
02/18/15	14:00:00	1616.0	0.0
02/18/15	15:00:00	1616.2	0.0
02/18/15	16:00:00	1615.7	0.0
02/18/15	17:00:00	1615.9	0.0
02/18/15	18:00:00	1615.6	0.0
02/18/15	19:00:00	1615.6	0.1
02/18/15	20:00:00	1615.6	0.1
02/18/15	21:00:00	1615.7	0.0
02/18/15	22:00:00	1615.7	0.0
02/18/15	23:00:00	1621.0	1.4
02/19/15	00:00:00	1624.7	1.8
02/19/15	01:00:00	1624.9	1.4
02/19/15	02:00:00	1619.6	0.0
02/19/15	03:00:00	1618.6	0.0
02/19/15	04:00:00	1618.8	0.3
02/19/15	05:00:00	1625.0	1.8
02/19/15	06:00:00	1626.6	1.8
02/19/15	07:00:00	1627.6	1.8
02/19/15	08:00:00	1628.3	1.8
02/19/15	09:00:00	1628.7	1.8
02/19/15	10:00:00	1629.1	1.8
02/19/15	11:00:00	1629.5	1.8
02/19/15	12:00:00	1629.8	1.8
02/19/15	13:00:00	1630.0	1.8
02/19/15	14:00:00	1630.2	1.8
02/19/15	15:00:00	1630.4	1.8
02/19/15	16:00:00	1630.6	1.9

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/19/15	17:00:00	1630.7	1.9
02/19/15	18:00:00	1630.8	1.9
02/19/15	19:00:00	1630.9	1.9
02/19/15	20:00:00	1631.0	1.9
02/19/15	21:00:00	1631.1	1.9
02/19/15	22:00:00	1631.1	1.9
02/19/15	23:00:00	1631.2	1.9
02/20/15	00:00:00	1631.3	1.9
02/20/15	01:00:00	1631.4	1.9
02/20/15	02:00:00	1631.4	1.9
02/20/15	03:00:00	1631.4	1.9
02/20/15	04:00:00	1631.4	1.9
02/20/15	05:00:00	1631.5	1.9
02/20/15	06:00:00	1631.5	1.9
02/20/15	07:00:00	1631.5	1.9
02/20/15	08:00:00	1631.7	1.9
02/20/15	09:00:00	1631.7	1.9
02/20/15	10:00:00	1631.7	1.9
02/20/15	11:00:00	1626.8	0.1
02/20/15	12:00:00	1624.2	0.0
02/20/15	13:00:00	1622.8	0.0
02/20/15	14:00:00	1622.1	0.0
02/20/15	15:00:00	1621.5	0.0
02/20/15	16:00:00	1623.8	1.1
02/20/15	17:00:00	1628.6	2.0
02/20/15	18:00:00	1627.6	1.3
02/20/15	19:00:00	1622.9	0.0
02/20/15	20:00:00	1627.1	1.7
02/20/15	21:00:00	1629.6	2.0
02/20/15	22:00:00	1630.3	2.1
02/20/15	23:00:00	1630.9	2.1
02/21/15	00:00:00	1631.4	2.1
02/21/15	01:00:00	1631.8	2.1
02/21/15	02:00:00	1632.0	2.0
02/21/15	03:00:00	1632.3	2.1
02/21/15	04:00:00	1632.4	2.1
02/21/15	05:00:00	1632.5	2.1
02/21/15	06:00:00	1632.6	2.1
02/21/15	07:00:00	1632.7	2.1
02/21/15	08:00:00	1632.8	2.1
02/21/15	09:00:00	1632.9	2.1
02/21/15	10:00:00	1633.0	2.1
02/21/15	11:00:00	1633.1	2.1
02/21/15	12:00:00	1633.2	2.1
02/21/15	13:00:00	1633.3	2.0
02/21/15	14:00:00	1633.1	2.0
02/21/15	15:00:00	1632.7	1.8
02/21/15	16:00:00	1632.5	1.8
02/21/15	17:00:00	1632.8	1.9
02/21/15	18:00:00	1632.6	1.9
02/21/15	19:00:00	1632.5	1.9
02/21/15	20:00:00	1632.7	1.9
02/21/15	21:00:00	1632.7	2.0
02/21/15	22:00:00	1632.7	2.0
02/21/15	23:00:00	1632.7	2.0
02/22/15	00:00:00	1632.8	2.0

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/22/15	01:00:00	1632.9	2.0
02/22/15	02:00:00	1633.0	1.9
02/22/15	03:00:00	1633.0	1.9
02/22/15	04:00:00	1633.0	1.9
02/22/15	05:00:00	1632.9	2.0
02/22/15	06:00:00	1632.9	2.0
02/22/15	07:00:00	1632.9	2.0
02/22/15	08:00:00	1633.0	2.0
02/22/15	09:00:00	1633.0	2.0
02/22/15	10:00:00	1633.4	2.0
02/22/15	11:00:00	1633.4	1.9
02/22/15	12:00:00	1633.4	1.8
02/22/15	13:00:00	1633.7	1.9
02/22/15	14:00:00	1633.9	1.9
02/22/15	15:00:00	1634.0	1.9
02/22/15	16:00:00	1633.9	1.9
02/22/15	17:00:00	1634.2	2.0
02/22/15	18:00:00	1634.0	2.0
02/22/15	19:00:00	1634.1	2.0
02/22/15	20:00:00	1634.2	2.1
02/22/15	21:00:00	1634.3	2.1
02/22/15	22:00:00	1634.4	2.2
02/22/15	23:00:00	1634.4	2.2
02/23/15	00:00:00	1634.5	2.1
02/23/15	01:00:00	1634.5	2.1
02/23/15	02:00:00	1634.6	2.2
02/23/15	03:00:00	1634.6	2.2
02/23/15	04:00:00	1634.6	2.2
02/23/15	05:00:00	1634.6	2.2
02/23/15	06:00:00	1634.7	2.1
02/23/15	07:00:00	1634.7	2.1
02/23/15	08:00:00	1634.8	2.1
02/23/15	09:00:00	1634.9	2.1
02/23/15	10:00:00	1634.9	2.0
02/23/15	11:00:00	1634.9	2.0
02/23/15	12:00:00	1634.9	1.9
02/23/15	13:00:00	1635.1	1.9
02/23/15	14:00:00	1635.1	1.9
02/23/15	15:00:00	1637.3	2.7
02/23/15	16:00:00	1640.2	3.5
02/23/15	17:00:00	1641.8	3.6
02/23/15	18:00:00	1642.4	3.7
02/23/15	19:00:00	1642.8	3.6
02/23/15	20:00:00	1640.5	2.6
02/23/15	21:00:00	1640.9	3.1
02/23/15	22:00:00	1642.5	3.6
02/23/15	23:00:00	1642.8	3.6
02/24/15	00:00:00	1643.0	3.6
02/24/15	01:00:00	1643.0	3.5
02/24/15	02:00:00	1643.2	3.5
02/24/15	03:00:00	1643.2	3.5
02/24/15	04:00:00	1643.1	3.4
02/24/15	05:00:00	1643.2	3.4
02/24/15	06:00:00	1643.3	3.5
02/24/15	07:00:00	1643.3	3.5
02/24/15	08:00:00	1643.6	3.5

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/24/15	09:00:00	1643.5	3.4
02/24/15	10:00:00	1643.7	3.4
02/24/15	11:00:00	1643.7	3.4
02/24/15	12:00:00	1644.2	3.4
02/24/15	13:00:00	1645.0	3.6
02/24/15	14:00:00	1649.5	4.8
02/24/15	15:00:00	1650.7	4.8
02/24/15	16:00:00	1651.2	4.7
02/24/15	17:00:00	1652.5	4.8
02/24/15	18:00:00	1651.6	4.4
02/24/15	19:00:00	1652.2	4.7
02/24/15	20:00:00	1653.1	4.9
02/24/15	21:00:00	1653.3	4.8
02/24/15	22:00:00	1653.5	4.9
02/24/15	23:00:00	1653.7	4.8
02/25/15	00:00:00	1653.8	4.9
02/25/15	01:00:00	1654.1	5.0
02/25/15	02:00:00	1654.2	5.0
02/25/15	03:00:00	1654.2	5.0
02/25/15	04:00:00	1654.2	4.9
02/25/15	05:00:00	1654.1	4.9
02/25/15	06:00:00	1654.1	4.9
02/25/15	07:00:00	1654.1	4.9
02/25/15	08:00:00	1654.2	4.9
02/25/15	09:00:00	1654.3	4.9
02/25/15	10:00:00	1654.5	4.8
02/25/15	11:00:00	1650.5	3.4
02/25/15	12:00:00	1649.8	3.4
02/25/15	13:00:00	1648.7	2.7
02/25/15	14:00:00	1640.9	0.0
02/25/15	15:00:00	1638.3	0.0
02/25/15	16:00:00	1636.9	0.0
02/25/15	17:00:00	1636.0	0.1
02/25/15	18:00:00	1639.9	2.4
02/25/15	19:00:00	1646.3	4.3
02/25/15	20:00:00	1652.9	5.6
02/25/15	21:00:00	1654.7	5.5
02/25/15	22:00:00	1655.3	5.4
02/25/15	23:00:00	1656.0	5.3
02/26/15	00:00:00	1656.6	5.4
02/26/15	01:00:00	1657.4	5.5
02/26/15	02:00:00	1657.8	5.6
02/26/15	03:00:00	1658.0	5.5
02/26/15	04:00:00	1658.4	5.5
02/26/15	05:00:00	1658.5	5.6
02/26/15	06:00:00	1658.8	5.7
02/26/15	07:00:00	1659.0	5.6
02/26/15	08:00:00	1659.2	5.6
02/26/15	09:00:00	1659.2	5.5
02/26/15	10:00:00	1659.2	5.3
02/26/15	11:00:00	1659.3	5.2
02/26/15	12:00:00	1660.4	5.5
02/26/15	13:00:00	1657.6	4.2
02/26/15	14:00:00	1660.0	5.1
02/26/15	15:00:00	1647.7	0.0
02/26/15	16:00:00	1644.1	0.0

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
02/26/15	17:00:00	1642.4	0.0
02/26/15	18:00:00	1645.7	2.5
02/26/15	19:00:00	1655.3	5.4
02/26/15	20:00:00	1657.7	5.5
02/26/15	21:00:00	1659.0	5.5
02/26/15	22:00:00	1659.8	5.5
02/26/15	23:00:00	1660.6	5.5
02/27/15	00:00:00	1661.0	5.5
02/27/15	01:00:00	1661.5	5.5
02/27/15	02:00:00	1661.9	5.5
02/27/15	03:00:00	1662.4	5.6
02/27/15	04:00:00	1662.7	5.6
02/27/15	05:00:00	1662.9	5.6
02/27/15	06:00:00	1662.7	5.5
02/27/15	07:00:00	1661.2	4.8
02/27/15	08:00:00	1660.3	4.6
02/27/15	09:00:00	1662.3	5.4
02/27/15	10:00:00	1662.9	5.4
02/27/15	11:00:00	1663.3	5.4
02/27/15	12:00:00	1663.7	5.4
02/27/15	13:00:00	1664.1	5.4
02/27/15	14:00:00	1664.5	5.4
02/27/15	15:00:00	1665.1	5.5
02/27/15	16:00:00	1665.3	5.5
02/27/15	17:00:00	1665.8	5.6
02/27/15	18:00:00	1665.7	5.5
02/27/15	19:00:00	1665.8	5.6
02/27/15	20:00:00	1666.6	5.8
02/27/15	21:00:00	1666.9	5.8
02/27/15	22:00:00	1667.0	5.8
02/27/15	23:00:00	1667.2	5.8
02/28/15	00:00:00	1667.2	5.8
02/28/15	01:00:00	1667.3	5.7
02/28/15	02:00:00	1667.4	5.7
02/28/15	03:00:00	1665.2	4.9
02/28/15	04:00:00	1667.3	5.7
02/28/15	05:00:00	1667.4	5.7
02/28/15	06:00:00	1667.6	5.7
02/28/15	07:00:00	1667.8	5.7
02/28/15	08:00:00	1667.9	5.7
02/28/15	09:00:00	1668.0	5.6
02/28/15	10:00:00	1667.8	5.5
02/28/15	11:00:00	1668.0	5.5
02/28/15	12:00:00	1669.3	5.8
02/28/15	13:00:00	1669.9	6.0
02/28/15	14:00:00	1670.4	6.1
02/28/15	15:00:00	1671.2	6.1
02/28/15	16:00:00	1671.3	6.1
02/28/15	17:00:00	1671.5	6.2
02/28/15	18:00:00	1671.8	6.2
02/28/15	19:00:00	1672.1	6.2
02/28/15	20:00:00	1672.0	6.2
02/28/15	21:00:00	1672.1	6.2
02/28/15	22:00:00	1672.0	6.1
02/28/15	23:00:00	1672.0	6.0
03/01/15	00:00:00	1670.5	5.6

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/01/15	01:00:00	1671.8	6.1
03/01/15	02:00:00	1667.6	4.4
03/01/15	03:00:00	1665.7	4.1
03/01/15	04:00:00	1665.0	4.1
03/01/15	05:00:00	1664.7	4.1
03/01/15	06:00:00	1664.2	4.0
03/01/15	07:00:00	1664.1	4.1
03/01/15	08:00:00	1663.9	4.1
03/01/15	09:00:00	1667.5	5.5
03/01/15	10:00:00	1669.4	5.7
03/01/15	11:00:00	1669.8	5.6
03/01/15	12:00:00	1670.1	5.5
03/01/15	13:00:00	1670.9	5.7
03/01/15	14:00:00	1671.6	5.8
03/01/15	15:00:00	1672.1	5.8
03/01/15	16:00:00	1672.4	5.8
03/01/15	17:00:00	1672.8	5.8
03/01/15	18:00:00	1673.2	5.9
03/01/15	19:00:00	1673.7	6.0
03/01/15	20:00:00	1673.9	6.0
03/01/15	21:00:00	1674.1	6.0
03/01/15	22:00:00	1674.3	6.0
03/01/15	23:00:00	1674.5	6.1
03/02/15	00:00:00	1674.7	6.1
03/02/15	01:00:00	1675.0	6.2
03/02/15	02:00:00	1675.0	6.1
03/02/15	03:00:00	1675.2	6.1
03/02/15	04:00:00	1675.4	6.2
03/02/15	05:00:00	1675.6	6.1
03/02/15	06:00:00	1675.7	6.1
03/02/15	07:00:00	1675.9	6.1
03/02/15	08:00:00	1676.0	6.1
03/02/15	09:00:00	1676.2	6.0
03/02/15	10:00:00	1676.2	5.9
03/02/15	11:00:00	1676.5	6.0
03/02/15	12:00:00	1677.1	6.0
03/02/15	13:00:00	1677.3	6.0
03/02/15	14:00:00	1676.2	5.3
03/02/15	15:00:00	1671.3	3.7
03/02/15	16:00:00	1670.8	4.0
03/02/15	17:00:00	1676.1	5.9
03/02/15	18:00:00	1676.7	5.9
03/02/15	19:00:00	1677.0	6.0
03/02/15	20:00:00	1677.3	6.0
03/02/15	21:00:00	1677.6	6.0
03/02/15	22:00:00	1677.6	6.0
03/02/15	23:00:00	1677.7	6.0
03/03/15	00:00:00	1677.9	6.1
03/03/15	01:00:00	1678.1	6.1
03/03/15	02:00:00	1678.3	6.2
03/03/15	03:00:00	1678.1	6.1
03/03/15	04:00:00	1678.1	6.1
03/03/15	05:00:00	1678.1	6.0
03/03/15	06:00:00	1677.9	5.9
03/03/15	07:00:00	1676.7	5.6

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/03/15	08:00:00	1670.8	2.2
03/03/15	09:00:00	1663.8	0.0
03/03/15	10:00:00	1661.9	0.0
03/03/15	11:00:00	1660.6	0.0
03/03/15	12:00:00	1659.6	0.0
03/03/15	13:00:00	1659.0	0.0
03/03/15	14:00:00	1658.3	0.0
03/03/15	15:00:00	1657.7	0.1
03/03/15	16:00:00	1657.0	0.1
03/03/15	17:00:00	1657.9	0.9
03/03/15	18:00:00	1664.2	3.8
03/03/15	19:00:00	1668.2	5.0
03/03/15	20:00:00	1671.6	5.7
03/03/15	21:00:00	1672.7	5.8
03/03/15	22:00:00	1673.5	5.8
03/03/15	23:00:00	1674.1	5.8
03/04/15	00:00:00	1674.6	5.8
03/04/15	01:00:00	1675.3	6.0
03/04/15	02:00:00	1675.6	5.9
03/04/15	03:00:00	1674.6	5.4
03/04/15	04:00:00	1676.2	6.1
03/04/15	05:00:00	1676.6	6.1
03/04/15	06:00:00	1676.9	6.0
03/04/15	07:00:00	1677.0	6.0
03/04/15	08:00:00	1677.3	6.0
03/04/15	09:00:00	1677.4	6.0
03/04/15	10:00:00	1677.7	5.9
03/04/15	11:00:00	1678.0	5.8
03/04/15	12:00:00	1678.5	5.8
03/04/15	13:00:00	1678.9	5.8
03/04/15	14:00:00	1679.5	5.8
03/04/15	15:00:00	1680.1	5.8
03/04/15	16:00:00	1680.4	5.9
03/04/15	17:00:00	1680.9	5.9
03/04/15	18:00:00	1681.4	6.1
03/04/15	19:00:00	1681.8	6.2
03/04/15	20:00:00	1681.8	6.0
03/04/15	21:00:00	1682.1	6.1
03/04/15	22:00:00	1682.1	6.1
03/04/15	23:00:00	1682.1	6.0
03/05/15	00:00:00	1681.9	5.9
03/05/15	01:00:00	1682.0	6.0
03/05/15	02:00:00	1682.1	6.0
03/05/15	03:00:00	1682.1	6.0
03/05/15	04:00:00	1682.3	6.1
03/05/15	05:00:00	1682.3	6.1
03/05/15	06:00:00	1682.2	6.1
03/05/15	07:00:00	1682.2	6.1
03/05/15	08:00:00	1682.3	6.0
03/05/15	09:00:00	1682.4	5.9
03/05/15	10:00:00	1682.9	6.0
03/05/15	11:00:00	1683.1	6.0
03/05/15	12:00:00	1683.5	5.9
03/05/15	13:00:00	1683.7	5.8
03/05/15	14:00:00	1682.9	5.3
03/05/15	15:00:00	1684.7	5.9

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/05/15	16:00:00	1685.2	6.0
03/05/15	17:00:00	1685.7	6.1
03/05/15	18:00:00	1686.2	6.2
03/05/15	19:00:00	1686.6	6.2
03/05/15	20:00:00	1686.5	6.1
03/05/15	21:00:00	1686.4	6.0
03/05/15	22:00:00	1686.5	6.0
03/05/15	23:00:00	1686.5	6.1
03/06/15	00:00:00	1686.5	6.0
03/06/15	01:00:00	1686.4	6.0
03/06/15	02:00:00	1686.5	6.0
03/06/15	03:00:00	1686.6	6.1
03/06/15	04:00:00	1686.6	6.1
03/06/15	05:00:00	1686.7	6.1
03/06/15	06:00:00	1686.5	6.1
03/06/15	07:00:00	1686.5	6.1
03/06/15	08:00:00	1686.5	6.0
03/06/15	09:00:00	1686.1	5.8
03/06/15	10:00:00	1686.6	5.9
03/06/15	11:00:00	1687.1	6.0
03/06/15	12:00:00	1685.1	5.1
03/06/15	13:00:00	1687.5	5.8
03/06/15	14:00:00	1688.0	5.8
03/06/15	15:00:00	1688.5	5.8
03/06/15	16:00:00	1688.9	5.9
03/06/15	17:00:00	1689.4	5.9
03/06/15	18:00:00	1689.7	6.0
03/06/15	19:00:00	1690.1	6.1
03/06/15	20:00:00	1690.3	6.1
03/06/15	21:00:00	1690.4	6.1
03/06/15	22:00:00	1690.5	6.1
03/06/15	23:00:00	1690.4	6.0
03/07/15	00:00:00	1690.3	6.0
03/07/15	01:00:00	1690.4	6.1
03/07/15	02:00:00	1690.3	6.0
03/07/15	03:00:00	1690.3	6.1
03/07/15	04:00:00	1690.4	6.1
03/07/15	05:00:00	1690.3	6.1
03/07/15	06:00:00	1690.1	6.0
03/07/15	07:00:00	1690.0	6.0
03/07/15	08:00:00	1690.3	6.0
03/07/15	09:00:00	1690.3	5.9
03/07/15	10:00:00	1690.5	5.8
03/07/15	11:00:00	1690.7	5.8
03/07/15	12:00:00	1691.4	6.0
03/07/15	13:00:00	1692.0	6.0
03/07/15	14:00:00	1692.4	6.0
03/07/15	15:00:00	1692.8	5.9
03/07/15	16:00:00	1693.0	6.0
03/07/15	17:00:00	1693.3	6.0
03/07/15	18:00:00	1693.3	6.0
03/07/15	19:00:00	1693.7	6.1
03/07/15	20:00:00	1693.7	6.0
03/07/15	21:00:00	1693.8	6.0
03/07/15	22:00:00	1693.9	6.1
03/07/15	23:00:00	1693.8	6.0

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/08/15	00:00:00	1693.8	6.0
03/08/15	01:00:00	1693.8	6.0
03/08/15	02:00:00	(1)	(1)
03/08/15	03:00:00	1693.9	6.0
03/08/15	04:00:00	1693.7	6.0
03/08/15	05:00:00	1693.6	5.9
03/08/15	06:00:00	1693.6	6.0
03/08/15	07:00:00	1693.5	6.0
03/08/15	08:00:00	1693.5	6.1
03/08/15	09:00:00	1693.6	6.0
03/08/15	10:00:00	1693.5	5.9
03/08/15	11:00:00	1693.4	5.7
03/08/15	12:00:00	1693.9	5.8
03/08/15	13:00:00	1694.3	5.9
03/08/15	14:00:00	1694.8	5.8
03/08/15	15:00:00	1695.2	5.7
03/08/15	16:00:00	1695.8	5.9
03/08/15	17:00:00	1696.1	5.9
03/08/15	18:00:00	1696.5	6.0
03/08/15	19:00:00	1696.8	6.1
03/08/15	20:00:00	1696.8	6.0
03/08/15	21:00:00	1697.0	6.0
03/08/15	22:00:00	1697.2	6.1
03/08/15	23:00:00	1697.2	6.0
03/09/15	00:00:00	1697.2	6.0
03/09/15	01:00:00	1697.1	6.0
03/09/15	02:00:00	1697.0	5.9
03/09/15	03:00:00	1697.0	6.0
03/09/15	04:00:00	1697.1	6.0
03/09/15	05:00:00	1697.2	6.1
03/09/15	06:00:00	1697.1	6.1
03/09/15	07:00:00	1697.1	6.1
03/09/15	08:00:00	1697.1	6.0
03/09/15	09:00:00	1697.3	6.1
03/09/15	10:00:00	1697.3	5.9
03/09/15	11:00:00	1697.3	5.8
03/09/15	12:00:00	1697.5	5.8
03/09/15	13:00:00	1697.7	5.7
03/09/15	14:00:00	1698.1	5.7
03/09/15	15:00:00	1698.6	5.8
03/09/15	16:00:00	1699.1	5.9
03/09/15	17:00:00	1699.3	5.8
03/09/15	18:00:00	1699.8	5.9
03/09/15	19:00:00	1700.0	6.0
03/09/15	20:00:00	1699.9	5.9
03/09/15	21:00:00	1700.1	5.9
03/09/15	22:00:00	1700.5	6.1
03/09/15	23:00:00	1700.6	6.1
03/10/15	00:00:00	1700.6	6.1
03/10/15	01:00:00	1700.6	6.1
03/10/15	02:00:00	1700.6	6.1
03/10/15	03:00:00	1699.7	5.7
03/10/15	04:00:00	1699.3	5.7
03/10/15	05:00:00	1698.9	5.5
03/10/15	06:00:00	1698.9	5.5

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/10/15	07:00:00	1698.5	5.4
03/10/15	08:00:00	1698.0	5.0
03/10/15	09:00:00	1694.6	4.0
03/10/15	10:00:00	1698.8	5.8
03/10/15	11:00:00	1699.9	6.0
03/10/15	12:00:00	1699.3	5.5
03/10/15	13:00:00	1700.3	5.8
03/10/15	14:00:00	1700.9	5.8
03/10/15	15:00:00	1701.1	5.7
03/10/15	16:00:00	1702.2	6.1
03/10/15	17:00:00	1702.2	5.9
03/10/15	18:00:00	1702.3	5.8
03/10/15	19:00:00	1705.1	6.8
03/10/15	20:00:00	1708.2	7.7
03/10/15	21:00:00	1703.7	5.9
03/10/15	22:00:00	1701.5	5.0
03/10/15	23:00:00	1698.6	3.9
03/11/15	00:00:00	1700.4	5.1
03/11/15	01:00:00	1706.7	7.4
03/11/15	02:00:00	1703.5	5.9
03/11/15	03:00:00	1702.8	5.7
03/11/15	04:00:00	1704.9	6.5
03/11/15	05:00:00	1706.3	6.8
03/11/15	06:00:00	1703.3	5.7
03/11/15	07:00:00	1703.1	5.7
03/11/15	08:00:00	1701.2	4.8
03/11/15	09:00:00	1703.0	5.8
03/11/15	10:00:00	1703.8	6.0
03/11/15	11:00:00	1706.9	7.0
03/11/15	12:00:00	1708.4	7.2
03/11/15	13:00:00	1705.5	6.1
03/11/15	14:00:00	1705.6	6.1
03/11/15	15:00:00	1710.9	7.9
03/11/15	16:00:00	1708.2	6.6
03/11/15	17:00:00	1706.7	6.1
03/11/15	18:00:00	1707.0	6.2
03/11/15	19:00:00	1707.4	6.3
03/11/15	20:00:00	1707.5	6.4
03/11/15	21:00:00	1707.6	6.4
03/11/15	22:00:00	1707.3	6.3
03/11/15	23:00:00	1706.9	6.1
03/12/15	00:00:00	1707.0	6.2
03/12/15	01:00:00	1707.3	6.3
03/12/15	02:00:00	1707.6	6.4
03/12/15	03:00:00	1707.7	6.4
03/12/15	04:00:00	1707.7	6.4
03/12/15	05:00:00	1707.7	6.4
03/12/15	06:00:00	1707.7	6.4
03/12/15	07:00:00	1707.7	6.4
03/12/15	08:00:00	1707.9	6.5
03/12/15	09:00:00	1708.0	6.4
03/12/15	10:00:00	1707.9	6.2
03/12/15	11:00:00	1708.0	6.1
03/12/15	12:00:00	1708.4	6.2
03/12/15	13:00:00	1708.8	6.2
03/12/15	14:00:00	1709.1	6.2

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/12/15	15:00:00	1709.6	6.2
03/12/15	16:00:00	1709.9	6.2
03/12/15	17:00:00	1710.2	6.2
03/12/15	18:00:00	1710.4	6.2
03/12/15	19:00:00	1710.6	6.3
03/12/15	20:00:00	1710.8	6.3
03/12/15	21:00:00	1710.9	6.3
03/12/15	22:00:00	1711.0	6.3
03/12/15	23:00:00	1714.5	7.5
03/13/15	00:00:00	1716.3	8.0
03/13/15	01:00:00	1716.3	7.7
03/13/15	02:00:00	1710.2	5.5
03/13/15	03:00:00	1703.4	2.7
03/13/15	04:00:00	1714.1	7.6
03/13/15	05:00:00	1712.1	6.5
03/13/15	06:00:00	1710.2	5.9
03/13/15	07:00:00	1710.2	6.0
03/13/15	08:00:00	1710.2	6.0
03/13/15	09:00:00	1710.2	5.9
03/13/15	10:00:00	1710.1	5.8
03/13/15	11:00:00	1711.2	6.1
03/13/15	12:00:00	1715.2	7.4
03/13/15	13:00:00	1713.3	6.6
03/13/15	14:00:00	1716.9	7.6
03/13/15	15:00:00	1717.4	7.4
03/13/15	16:00:00	1718.9	7.7
03/13/15	17:00:00	1719.4	7.8
03/13/15	18:00:00	1719.9	7.8
03/13/15	19:00:00	1719.2	7.5
03/13/15	20:00:00	1720.9	8.0
03/13/15	21:00:00	1721.1	7.9
03/13/15	22:00:00	1720.7	7.8
03/13/15	23:00:00	1718.0	6.7
03/14/15	00:00:00	1717.6	6.7
03/14/15	01:00:00	1721.1	7.9
03/14/15	02:00:00	1720.8	7.7
03/14/15	03:00:00	1720.8	7.7
03/14/15	04:00:00	1721.5	7.9
03/14/15	05:00:00	1721.1	7.8
03/14/15	06:00:00	1721.4	7.8
03/14/15	07:00:00	1722.1	8.0
03/14/15	08:00:00	1722.1	8.0
03/14/15	09:00:00	1722.1	7.9
03/14/15	10:00:00	1721.8	7.7
03/14/15	11:00:00	1722.3	7.7
03/14/15	12:00:00	1722.4	7.6
03/14/15	13:00:00	1723.0	7.7
03/14/15	14:00:00	1724.1	7.8
03/14/15	15:00:00	1715.8	4.2
03/14/15	16:00:00	1713.0	3.4
03/14/15	17:00:00	1712.1	3.4
03/14/15	18:00:00	1711.7	3.6
03/14/15	19:00:00	1714.0	4.9
03/14/15	20:00:00	1716.0	5.6
03/14/15	21:00:00	1716.3	5.7
03/14/15	22:00:00	1716.6	5.8

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/14/15	23:00:00	1716.0	5.5
03/15/15	00:00:00	1716.9	6.1
03/15/15	01:00:00	1716.1	5.6
03/15/15	02:00:00	1716.7	6.0
03/15/15	03:00:00	1716.8	6.0
03/15/15	04:00:00	1716.7	6.0
03/15/15	05:00:00	1716.7	5.9
03/15/15	06:00:00	1716.7	6.0
03/15/15	07:00:00	1716.8	6.0
03/15/15	08:00:00	1716.8	6.0
03/15/15	09:00:00	1715.5	5.4
03/15/15	10:00:00	1713.9	4.8
03/15/15	11:00:00	1717.1	6.1
03/15/15	12:00:00	1712.4	3.9
03/15/15	13:00:00	1708.8	2.1
03/15/15	14:00:00	1708.3	2.3
03/15/15	15:00:00	1714.3	5.5
03/15/15	16:00:00	1713.3	4.9
03/15/15	17:00:00	1716.1	5.9
03/15/15	18:00:00	1716.5	5.9
03/15/15	19:00:00	1716.8	6.0
03/15/15	20:00:00	1717.1	6.1
03/15/15	21:00:00	1717.2	6.1
03/15/15	22:00:00	1717.3	6.1
03/15/15	23:00:00	1717.4	6.2
03/16/15	00:00:00	1717.5	6.2
03/16/15	01:00:00	1717.4	6.1
03/16/15	02:00:00	1714.2	4.6
03/16/15	03:00:00	1715.0	5.3
03/16/15	04:00:00	1716.9	6.1
03/16/15	05:00:00	1717.1	6.1
03/16/15	06:00:00	1717.2	6.1
03/16/15	07:00:00	1717.2	6.1
03/16/15	08:00:00	1717.3	6.1
03/16/15	09:00:00	1717.3	6.1
03/16/15	10:00:00	1717.5	6.1
03/16/15	11:00:00	1717.7	6.1
03/16/15	12:00:00	1717.9	6.1
03/16/15	13:00:00	1718.0	6.0
03/16/15	14:00:00	1717.4	5.5
03/16/15	15:00:00	1724.1	7.9
03/16/15	16:00:00	1720.6	5.9
03/16/15	17:00:00	1725.3	8.1
03/16/15	18:00:00	1726.0	8.1
03/16/15	19:00:00	1726.6	8.1
03/16/15	20:00:00	1726.6	7.9
03/16/15	21:00:00	1727.2	8.1
03/16/15	22:00:00	1727.6	8.2
03/16/15	23:00:00	1727.8	8.2
03/17/15	00:00:00	1727.9	8.2
03/17/15	01:00:00	1728.2	8.2
03/17/15	02:00:00	1728.5	8.2
03/17/15	03:00:00	1728.3	8.1
03/17/15	04:00:00	1728.5	8.1
03/17/15	05:00:00	1728.7	8.1
03/17/15	06:00:00	1728.8	8.1

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/17/15	07:00:00	1728.9	8.1
03/17/15	08:00:00	1729.0	8.2
03/17/15	09:00:00	1729.3	8.1
03/17/15	10:00:00	1729.4	8.0
03/17/15	11:00:00	1729.7	8.0
03/17/15	12:00:00	1730.0	8.0
03/17/15	13:00:00	1730.5	8.0
03/17/15	14:00:00	1731.3	8.1
03/17/15	15:00:00	1731.8	8.1
03/17/15	16:00:00	1732.1	8.1
03/17/15	17:00:00	1732.3	8.0
03/17/15	18:00:00	1732.6	8.0
03/17/15	19:00:00	1732.9	8.0
03/17/15	20:00:00	1733.2	8.2
03/17/15	21:00:00	1733.2	8.1
03/17/15	22:00:00	1732.9	8.0
03/17/15	23:00:00	1733.2	8.1
03/18/15	00:00:00	1733.3	8.1
03/18/15	01:00:00	1733.4	8.2
03/18/15	02:00:00	1732.8	8.0
03/18/15	03:00:00	1732.2	7.8
03/18/15	04:00:00	1732.9	8.2
03/18/15	05:00:00	1733.0	8.2
03/18/15	06:00:00	1732.8	8.1
03/18/15	07:00:00	1727.6	6.2
03/18/15	08:00:00	1726.9	6.1
03/18/15	09:00:00	1725.0	5.2
03/18/15	10:00:00	1722.6	4.2
03/18/15	11:00:00	1726.3	6.1
03/18/15	12:00:00	1726.6	6.1
03/18/15	13:00:00	1726.8	6.0
03/18/15	14:00:00	1727.3	6.1
03/18/15	15:00:00	1727.7	6.2
03/18/15	16:00:00	1728.1	6.2
03/18/15	17:00:00	1728.3	6.2
03/18/15	18:00:00	1728.4	6.2
03/18/15	19:00:00	1727.8	6.0
03/18/15	20:00:00	1728.1	6.2
03/18/15	21:00:00	1728.3	6.3
03/18/15	22:00:00	1728.4	6.4
03/18/15	23:00:00	1728.4	6.4
03/19/15	00:00:00	1728.4	6.4
03/19/15	01:00:00	1728.3	6.3
03/19/15	02:00:00	1728.2	6.4
03/19/15	03:00:00	1728.2	6.4
03/19/15	04:00:00	1728.2	6.4
03/19/15	05:00:00	1728.1	6.5
03/19/15	06:00:00	1728.0	6.5
03/19/15	07:00:00	1727.2	6.2
03/19/15	08:00:00	1726.4	5.7
03/19/15	09:00:00	1719.4	2.2
03/19/15	10:00:00	1719.8	3.0
03/19/15	11:00:00	1723.4	5.1
03/19/15	12:00:00	1726.2	6.1
03/19/15	13:00:00	1726.8	6.1
03/19/15	14:00:00	1727.6	6.3

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/19/15	15:00:00	1728.1	6.2
03/19/15	16:00:00	1727.6	5.8
03/19/15	17:00:00	1723.1	3.8
03/19/15	18:00:00	1726.2	5.3
03/19/15	19:00:00	1728.4	6.2
03/19/15	20:00:00	1728.6	6.2
03/19/15	21:00:00	1728.9	6.2
03/19/15	22:00:00	1729.1	6.3
03/19/15	23:00:00	1729.2	6.2
03/20/15	00:00:00	1729.1	6.3
03/20/15	01:00:00	1727.8	5.6
03/20/15	02:00:00	1724.3	4.2
03/20/15	03:00:00	1728.6	6.4
03/20/15	04:00:00	1728.8	6.4
03/20/15	05:00:00	1728.8	6.4
03/20/15	06:00:00	1728.9	6.4
03/20/15	07:00:00	1728.9	6.4
03/20/15	08:00:00	1729.1	6.5
03/20/15	09:00:00	1729.4	6.5
03/20/15	10:00:00	1729.0	6.1
03/20/15	11:00:00	1728.5	5.8
03/20/15	12:00:00	1726.7	5.0
03/20/15	13:00:00	1729.6	6.1
03/20/15	14:00:00	1729.9	6.2
03/20/15	15:00:00	1730.5	6.3
03/20/15	16:00:00	1730.9	6.3
03/20/15	17:00:00	1731.3	6.4
03/20/15	18:00:00	1731.5	6.4
03/20/15	19:00:00	1731.7	6.4
03/20/15	20:00:00	1731.7	6.4
03/20/15	21:00:00	1731.7	6.4
03/20/15	22:00:00	1731.7	6.4
03/20/15	23:00:00	1731.8	6.4
03/21/15	00:00:00	1731.8	6.5
03/21/15	01:00:00	1731.8	6.4
03/21/15	02:00:00	1731.8	6.4
03/21/15	03:00:00	1731.8	6.4
03/21/15	04:00:00	1731.9	6.4
03/21/15	05:00:00	1731.8	6.4
03/21/15	06:00:00	1731.9	6.4
03/21/15	07:00:00	1732.0	6.4
03/21/15	08:00:00	1731.9	6.4
03/21/15	09:00:00	1731.5	6.1
03/21/15	10:00:00	1731.7	6.2
03/21/15	11:00:00	1732.2	6.3
03/21/15	12:00:00	1732.6	6.4
03/21/15	13:00:00	1732.8	6.3
03/21/15	14:00:00	1733.1	6.2
03/21/15	15:00:00	1733.6	6.3
03/21/15	16:00:00	1733.7	6.3
03/21/15	17:00:00	1733.0	5.9
03/21/15	18:00:00	1734.1	6.3
03/21/15	19:00:00	1734.4	6.4
03/21/15	20:00:00	1734.4	6.4
03/21/15	21:00:00	1734.6	6.4
03/21/15	22:00:00	1734.7	6.4

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/21/15	23:00:00	1734.6	6.4
03/22/15	00:00:00	1734.7	6.5
03/22/15	01:00:00	1734.7	6.4
03/22/15	02:00:00	1734.7	6.4
03/22/15	03:00:00	1734.7	6.5
03/22/15	04:00:00	1734.7	6.5
03/22/15	05:00:00	1734.7	6.5
03/22/15	06:00:00	1734.6	6.4
03/22/15	07:00:00	1734.5	6.4
03/22/15	08:00:00	1734.7	6.4
03/22/15	09:00:00	1734.8	6.4
03/22/15	10:00:00	1735.1	6.4
03/22/15	11:00:00	1735.2	6.5
03/22/15	12:00:00	1735.2	6.4
03/22/15	13:00:00	1735.6	6.4
03/22/15	14:00:00	1735.7	6.3
03/22/15	15:00:00	1735.5	6.0
03/22/15	16:00:00	1736.1	6.3
03/22/15	17:00:00	1736.4	6.4
03/22/15	18:00:00	1736.6	6.4
03/22/15	19:00:00	1736.8	6.5
03/22/15	20:00:00	1736.7	6.4
03/22/15	21:00:00	1736.7	6.4
03/22/15	22:00:00	1736.7	6.4
03/22/15	23:00:00	1736.8	6.4
03/23/15	00:00:00	1736.7	6.4
03/23/15	01:00:00	1736.7	6.5
03/23/15	02:00:00	1736.5	6.4
03/23/15	03:00:00	1736.5	6.3
03/23/15	04:00:00	1736.8	6.5
03/23/15	05:00:00	1736.8	6.4
03/23/15	06:00:00	1736.5	6.4
03/23/15	07:00:00	1736.4	6.3
03/23/15	08:00:00	1735.5	5.9
03/23/15	09:00:00	1736.7	6.4
03/23/15	10:00:00	1737.0	6.5
03/23/15	11:00:00	1737.2	6.5
03/23/15	12:00:00	1737.5	6.5
03/23/15	13:00:00	1737.6	6.4
03/23/15	14:00:00	1737.9	6.5
03/23/15	15:00:00	1738.1	6.4
03/23/15	16:00:00	1738.4	6.4
03/23/15	17:00:00	1738.6	6.5
03/23/15	18:00:00	1738.9	6.5
03/23/15	19:00:00	1739.0	6.5
03/23/15	20:00:00	1739.0	6.6
03/23/15	21:00:00	1738.9	6.5
03/23/15	22:00:00	1738.8	6.5
03/23/15	23:00:00	1738.9	6.5
03/24/15	00:00:00	1738.9	6.5
03/24/15	01:00:00	1738.9	6.5
03/24/15	02:00:00	1738.7	6.5
03/24/15	03:00:00	1738.7	6.4
03/24/15	04:00:00	1738.7	6.5
03/24/15	05:00:00	1738.8	6.4
03/24/15	06:00:00	1738.6	6.4

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/24/15	07:00:00	1738.6	6.4
03/24/15	08:00:00	1738.7	6.4
03/24/15	09:00:00	1738.9	6.4
03/24/15	10:00:00	1739.1	6.4
03/24/15	11:00:00	1739.4	6.4
03/24/15	12:00:00	1739.5	6.3
03/24/15	13:00:00	1739.8	6.3
03/24/15	14:00:00	1740.0	6.3
03/24/15	15:00:00	1740.4	6.3
03/24/15	16:00:00	1740.5	6.3
03/24/15	17:00:00	1740.8	6.4
03/24/15	18:00:00	1740.9	6.4
03/24/15	19:00:00	1741.0	6.4
03/24/15	20:00:00	1738.3	5.0
03/24/15	21:00:00	1740.8	6.4
03/24/15	22:00:00	1741.0	6.4
03/24/15	23:00:00	1741.1	6.5
03/25/15	00:00:00	1741.0	6.4
03/25/15	01:00:00	1741.0	6.4
03/25/15	02:00:00	1740.9	6.4
03/25/15	03:00:00	1741.0	6.4
03/25/15	04:00:00	1741.0	6.4
03/25/15	05:00:00	1741.0	6.4
03/25/15	06:00:00	1740.5	6.2
03/25/15	07:00:00	1739.9	6.0
03/25/15	08:00:00	1740.4	6.3
03/25/15	09:00:00	1740.1	6.0
03/25/15	10:00:00	1740.2	5.8
03/25/15	11:00:00	1730.5	0.0
03/25/15	12:00:00	1729.0	0.0
03/25/15	13:00:00	1728.1	0.0
03/25/15	14:00:00	1727.4	0.0
03/25/15	15:00:00	1726.8	0.0
03/25/15	16:00:00	1726.2	0.0
03/25/15	17:00:00	1726.2	0.6
03/25/15	18:00:00	1728.5	2.4
03/25/15	19:00:00	1727.6	1.9
03/25/15	20:00:00	1727.2	1.7
03/25/15	21:00:00	1734.2	5.4
03/25/15	22:00:00	1745.6	9.4
03/25/15	23:00:00	1747.0	9.5
03/26/15	00:00:00	1748.4	9.6
03/26/15	01:00:00	1749.2	9.6
03/26/15	02:00:00	1746.8	8.6
03/26/15	03:00:00	1749.9	9.5
03/26/15	04:00:00	1751.8	9.9
03/26/15	05:00:00	1752.8	10.1
03/26/15	06:00:00	1753.1	10.0
03/26/15	07:00:00	1752.8	9.8
03/26/15	08:00:00	1753.5	9.9
03/26/15	09:00:00	1753.8	9.8
03/26/15	10:00:00	1752.0	8.9
03/26/15	11:00:00	1747.0	6.9
03/26/15	12:00:00	1754.5	9.5
03/26/15	13:00:00	1755.6	9.4
03/26/15	14:00:00	1751.5	7.8

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/26/15	15:00:00	1753.6	8.4
03/26/15	16:00:00	1757.4	9.4
03/26/15	17:00:00	1758.6	9.5
03/26/15	18:00:00	1759.3	9.6
03/26/15	19:00:00	1760.2	9.6
03/26/15	20:00:00	1760.5	9.6
03/26/15	21:00:00	1760.8	9.6
03/26/15	22:00:00	1761.3	9.7
03/26/15	23:00:00	1761.7	9.8
03/27/15	00:00:00	1762.1	9.9
03/27/15	01:00:00	1762.1	9.9
03/27/15	02:00:00	1762.3	9.9
03/27/15	03:00:00	1762.3	9.9
03/27/15	04:00:00	1762.1	9.9
03/27/15	05:00:00	1762.2	9.9
03/27/15	06:00:00	1762.3	9.9
03/27/15	07:00:00	1762.4	10.0
03/27/15	08:00:00	1762.8	10.1
03/27/15	09:00:00	1762.9	10.0
03/27/15	10:00:00	1763.4	9.9
03/27/15	11:00:00	1763.7	9.8
03/27/15	12:00:00	1764.4	9.8
03/27/15	13:00:00	1764.8	9.7
03/27/15	14:00:00	1764.8	9.5
03/27/15	15:00:00	1765.3	9.4
03/27/15	16:00:00	1765.9	9.5
03/27/15	17:00:00	1766.8	9.7
03/27/15	18:00:00	1767.6	9.8
03/27/15	19:00:00	1768.2	9.8
03/27/15	20:00:00	1768.2	9.9
03/27/15	21:00:00	1768.3	9.9
03/27/15	22:00:00	1768.3	9.9
03/27/15	23:00:00	1768.5	10.0
03/28/15	00:00:00	1768.5	10.0
03/28/15	01:00:00	1768.7	10.1
03/28/15	02:00:00	1768.5	10.0
03/28/15	03:00:00	1768.7	10.1
03/28/15	04:00:00	1768.7	10.1
03/28/15	05:00:00	1768.8	10.1
03/28/15	06:00:00	1768.8	10.1
03/28/15	07:00:00	1768.8	10.1
03/28/15	08:00:00	1769.3	10.3
03/28/15	09:00:00	1768.8	10.1
03/28/15	10:00:00	1768.7	9.9
03/28/15	11:00:00	1768.6	9.8
03/28/15	12:00:00	1769.6	10.0
03/28/15	13:00:00	1769.9	9.8
03/28/15	14:00:00	1770.2	9.7
03/28/15	15:00:00	1770.7	9.7
03/28/15	16:00:00	1771.3	9.7
03/28/15	17:00:00	1772.1	9.8
03/28/15	18:00:00	1772.6	9.8
03/28/15	19:00:00	1773.3	9.9
03/28/15	20:00:00	1773.4	10.0
03/28/15	21:00:00	1771.8	9.0
03/28/15	22:00:00	1753.8	1.5

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/28/15	23:00:00	1762.9	7.2
03/29/15	00:00:00	1765.0	8.0
03/29/15	01:00:00	1765.0	8.0
03/29/15	02:00:00	1765.3	8.2
03/29/15	03:00:00	1765.3	8.3
03/29/15	04:00:00	1765.2	8.3
03/29/15	05:00:00	1765.1	8.3
03/29/15	06:00:00	1764.7	8.3
03/29/15	07:00:00	1764.6	8.3
03/29/15	08:00:00	1764.7	8.4
03/29/15	09:00:00	1764.3	8.2
03/29/15	10:00:00	1764.3	8.0
03/29/15	11:00:00	1764.6	7.9
03/29/15	12:00:00	1765.0	7.9
03/29/15	13:00:00	1765.4	7.9
03/29/15	14:00:00	1766.1	8.0
03/29/15	15:00:00	1766.6	8.0
03/29/15	16:00:00	1766.6	7.9
03/29/15	17:00:00	1767.0	7.9
03/29/15	18:00:00	1767.3	7.9
03/29/15	19:00:00	1767.9	8.0
03/29/15	20:00:00	1767.8	8.1
03/29/15	21:00:00	1768.1	8.2
03/29/15	22:00:00	1768.1	8.2
03/29/15	23:00:00	1768.1	8.3
03/30/15	00:00:00	1768.0	8.3
03/30/15	01:00:00	1767.7	8.2
03/30/15	02:00:00	1767.8	8.3
03/30/15	03:00:00	1767.8	8.3
03/30/15	04:00:00	1767.8	8.4
03/30/15	05:00:00	1767.3	8.2
03/30/15	06:00:00	1767.1	8.2
03/30/15	07:00:00	1767.1	8.3
03/30/15	08:00:00	1767.1	8.3
03/30/15	09:00:00	1767.0	8.1
03/30/15	10:00:00	1765.5	7.4
03/30/15	11:00:00	1772.7	9.7
03/30/15	12:00:00	1774.0	9.8
03/30/15	13:00:00	1774.8	9.8
03/30/15	14:00:00	1775.6	9.7
03/30/15	15:00:00	1776.5	9.8
03/30/15	16:00:00	1776.9	9.7
03/30/15	17:00:00	1777.3	9.7
03/30/15	18:00:00	1777.8	9.7
03/30/15	19:00:00	1778.5	9.9
03/30/15	20:00:00	1779.0	9.9
03/30/15	21:00:00	1779.1	10.0
03/30/15	22:00:00	1777.9	9.6
03/30/15	23:00:00	1772.9	8.2
03/31/15	00:00:00	1772.9	8.3
03/31/15	01:00:00	1773.0	8.5
03/31/15	02:00:00	1773.4	8.6
03/31/15	03:00:00	1773.2	8.6
03/31/15	04:00:00	1773.3	8.6
03/31/15	05:00:00	1773.1	8.6
03/31/15	06:00:00	1772.9	8.6

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
03/31/15	07:00:00	1772.7	8.5
03/31/15	08:00:00	1772.6	8.5
03/31/15	09:00:00	1772.7	8.5
03/31/15	10:00:00	1772.8	8.5
03/31/15	11:00:00	1772.7	8.4
03/31/15	12:00:00	1773.0	8.4
03/31/15	13:00:00	1773.2	8.3
03/31/15	14:00:00	1773.4	8.2
03/31/15	15:00:00	1773.7	8.3
03/31/15	16:00:00	1774.0	8.3
03/31/15	17:00:00	1774.3	8.3
03/31/15	18:00:00	1774.5	8.3
03/31/15	19:00:00	1774.9	8.4
03/31/15	20:00:00	1774.9	8.5
03/31/15	21:00:00	1775.0	8.5
03/31/15	22:00:00	1775.0	8.6
03/31/15	23:00:00	1775.1	8.7
04/01/15	00:00:00	1775.0	8.7
04/01/15	01:00:00	1774.9	8.7
04/01/15	02:00:00	1774.6	8.6
04/01/15	03:00:00	1774.5	8.6
04/01/15	04:00:00	1774.5	8.8
04/01/15	05:00:00	1774.4	8.7
04/01/15	06:00:00	1774.2	8.7
04/01/15	07:00:00	1774.1	8.8
04/01/15	08:00:00	1759.1	0.3
04/01/15	09:00:00	1756.8	0.0
04/01/15	10:00:00	1755.8	0.0
04/01/15	11:00:00	1754.9	0.0
04/01/15	12:00:00	1754.1	0.0
04/01/15	13:00:00	1753.4	0.0
04/01/15	14:00:00	1752.8	0.0
04/01/15	15:00:00	1752.2	0.0
04/01/15	16:00:00	1751.5	0.0
04/01/15	17:00:00	1751.0	0.0
04/01/15	18:00:00	1750.5	0.0
04/01/15	19:00:00	1750.2	0.0
04/01/15	20:00:00	1749.6	0.0
04/01/15	21:00:00	1749.3	0.0
04/01/15	22:00:00	1748.9	0.0
04/01/15	23:00:00	1748.6	0.0
04/02/15	00:00:00	1748.2	0.0
04/02/15	01:00:00	1747.9	0.0
04/02/15	02:00:00	1747.6	0.0
04/02/15	03:00:00	1747.3	0.0
04/02/15	04:00:00	1747.0	0.0
04/02/15	05:00:00	1746.7	0.0
04/02/15	06:00:00	1746.5	0.0
04/02/15	07:00:00	1746.3	0.0
04/02/15	08:00:00	1746.0	0.0
04/02/15	09:00:00	1745.8	0.0
04/02/15	10:00:00	1745.6	0.0
04/02/15	11:00:00	1745.3	0.0
04/02/15	12:00:00	1745.0	0.0
04/02/15	13:00:00	1744.8	0.0

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/02/15	14:00:00	1744.6	0.0
04/02/15	15:00:00	1744.4	0.0
04/02/15	16:00:00	1744.2	0.0
04/02/15	17:00:00	1744.0	0.0
04/02/15	18:00:00	1743.9	0.0
04/02/15	19:00:00	1743.9	0.0
04/02/15	20:00:00	1743.5	0.0
04/02/15	21:00:00	1743.4	0.0
04/02/15	22:00:00	1743.3	0.0
04/02/15	23:00:00	1743.2	0.0
04/03/15	00:00:00	1743.1	0.0
04/03/15	01:00:00	1743.0	0.0
04/03/15	02:00:00	1742.8	0.0
04/03/15	03:00:00	1742.7	0.0
04/03/15	04:00:00	1742.6	0.0
04/03/15	05:00:00	1742.5	0.0
04/03/15	06:00:00	1742.5	0.0
04/03/15	07:00:00	1742.3	0.0
04/03/15	08:00:00	(2)	0.0
04/03/15	09:00:00	1742.0	0.1
04/03/15	10:00:00	1742.2	0.0
04/03/15	11:00:00	1762.1	9.6
04/03/15	12:00:00	1764.5	9.8
04/03/15	13:00:00	1765.9	9.7
04/03/15	14:00:00	1767.3	9.7
04/03/15	15:00:00	1768.4	9.6
04/03/15	16:00:00	1767.8	8.8
04/03/15	17:00:00	1769.3	9.2
04/03/15	18:00:00	1771.3	9.5
04/03/15	19:00:00	1772.5	9.6
04/03/15	20:00:00	1772.9	9.7
04/03/15	21:00:00	1773.9	9.8
04/03/15	22:00:00	1775.0	10.0
04/03/15	23:00:00	1775.7	10.2
04/04/15	00:00:00	1775.8	10.2
04/04/15	01:00:00	1775.9	10.1
04/04/15	02:00:00	1776.0	10.0
04/04/15	03:00:00	1776.4	10.0
04/04/15	04:00:00	1776.6	10.0
04/04/15	05:00:00	1776.9	10.1
04/04/15	06:00:00	1776.9	10.0
04/04/15	07:00:00	1776.8	10.0
04/04/15	08:00:00	1777.0	9.9
04/04/15	09:00:00	1777.0	9.8
04/04/15	10:00:00	1777.8	9.9
04/04/15	11:00:00	1778.7	9.9
04/04/15	12:00:00	1778.4	9.6
04/04/15	13:00:00	1778.6	9.5
04/04/15	14:00:00	1779.3	9.5
04/04/15	15:00:00	1779.8	9.4
04/04/15	16:00:00	1780.4	9.4
04/04/15	17:00:00	1778.3	8.6
04/04/15	18:00:00	1779.8	9.2
04/04/15	19:00:00	1782.0	9.8
04/04/15	20:00:00	1781.9	9.6

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/04/15	21:00:00	1782.7	9.9
04/04/15	22:00:00	1782.9	9.9
04/04/15	23:00:00	1783.1	9.9
04/05/15	00:00:00	1783.6	10.1
04/05/15	01:00:00	1783.6	10.0
04/05/15	02:00:00	1783.5	10.0
04/05/15	03:00:00	1783.8	10.0
04/05/15	04:00:00	1783.8	10.0
04/05/15	05:00:00	1783.7	10.0
04/05/15	06:00:00	1783.7	10.0
04/05/15	07:00:00	1783.6	10.0
04/05/15	08:00:00	1784.2	10.2
04/05/15	09:00:00	1783.9	10.0
04/05/15	10:00:00	1783.8	9.8
04/05/15	11:00:00	1784.0	9.6
04/05/15	12:00:00	1784.5	9.7
04/05/15	13:00:00	1785.5	9.9
04/05/15	14:00:00	1785.9	10.1
04/05/15	15:00:00	1785.8	9.9
04/05/15	16:00:00	1786.4	10.0
04/05/15	17:00:00	1786.3	9.9
04/05/15	18:00:00	1786.8	9.9
04/05/15	19:00:00	1786.9	9.9
04/05/15	20:00:00	1787.0	10.0
04/05/15	21:00:00	1787.0	10.0
04/05/15	22:00:00	1787.1	10.0
04/05/15	23:00:00	1787.0	9.9
04/06/15	00:00:00	1783.5	9.0
04/06/15	01:00:00	1787.2	10.1
04/06/15	02:00:00	1787.1	10.0
04/06/15	03:00:00	1787.4	10.2
04/06/15	04:00:00	1787.2	10.1
04/06/15	05:00:00	1786.8	10.0
04/06/15	06:00:00	1786.7	10.0
04/06/15	07:00:00	1786.9	10.0
04/06/15	08:00:00	1787.3	10.1
04/06/15	09:00:00	1787.3	10.0
04/06/15	10:00:00	1787.3	9.8
04/06/15	11:00:00	1787.6	9.8
04/06/15	12:00:00	1788.1	9.8
04/06/15	13:00:00	1788.2	9.7
04/06/15	14:00:00	1788.6	9.6
04/06/15	15:00:00	1789.2	9.6
04/06/15	16:00:00	1790.3	9.8
04/06/15	17:00:00	1790.7	9.8
04/06/15	18:00:00	1791.1	9.8
04/06/15	19:00:00	1791.1	9.7
04/06/15	20:00:00	1791.4	9.8
04/06/15	21:00:00	1792.0	9.9
04/06/15	22:00:00	1792.4	10.0
04/06/15	23:00:00	1792.3	10.0
04/07/15	00:00:00	1792.6	10.1
04/07/15	01:00:00	1792.4	10.0
04/07/15	02:00:00	1792.5	10.1
04/07/15	03:00:00	1792.7	10.0
04/07/15	04:00:00	1792.8	9.9

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/07/15	05:00:00	1792.8	9.9
04/07/15	06:00:00	1792.7	9.9
04/07/15	07:00:00	1792.9	9.9
04/07/15	08:00:00	1792.8	9.9
04/07/15	09:00:00	1792.8	9.9
04/07/15	10:00:00	1792.8	9.9
04/07/15	11:00:00	1793.2	9.9
04/07/15	12:00:00	1793.7	9.9
04/07/15	13:00:00	1793.7	9.8
04/07/15	14:00:00	1793.6	9.7
04/07/15	15:00:00	1794.2	9.8
04/07/15	16:00:00	1794.8	9.9
04/07/15	17:00:00	1794.8	9.9
04/07/15	18:00:00	1795.5	10.2
04/07/15	19:00:00	1795.1	9.9
04/07/15	20:00:00	1794.8	9.9
04/07/15	21:00:00	1795.1	10.0
04/07/15	22:00:00	1791.0	8.8
04/07/15	23:00:00	1792.7	9.4
04/08/15	00:00:00	1795.0	10.1
04/08/15	01:00:00	1795.4	10.1
04/08/15	02:00:00	1795.5	10.2
04/08/15	03:00:00	1795.4	10.1
04/08/15	04:00:00	1795.4	10.1
04/08/15	05:00:00	1795.4	10.2
04/08/15	06:00:00	1795.1	10.0
04/08/15	07:00:00	1795.3	10.1
04/08/15	08:00:00	1795.5	10.2
04/08/15	09:00:00	1795.0	10.0
04/08/15	10:00:00	1795.7	10.1
04/08/15	11:00:00	1795.2	9.8
04/08/15	12:00:00	1795.2	9.7
04/08/15	13:00:00	1796.0	9.8
04/08/15	14:00:00	1796.4	9.8
04/08/15	15:00:00	1796.6	9.7
04/08/15	16:00:00	1797.0	9.7
04/08/15	17:00:00	1797.6	9.8
04/08/15	18:00:00	1798.0	9.8
04/08/15	19:00:00	1798.6	9.9
04/08/15	20:00:00	1798.7	9.9
04/08/15	21:00:00	1798.9	10.0
04/08/15	22:00:00	1798.8	10.0
04/08/15	23:00:00	1798.8	10.0
04/09/15	00:00:00	1799.0	10.1
04/09/15	01:00:00	1799.1	10.1
04/09/15	02:00:00	1799.1	10.1
04/09/15	03:00:00	1798.8	10.1
04/09/15	04:00:00	1798.8	10.1
04/09/15	05:00:00	1798.7	10.1
04/09/15	06:00:00	1798.6	10.1
04/09/15	07:00:00	1798.5	10.1
04/09/15	08:00:00	1798.7	10.1
04/09/15	09:00:00	1798.6	10.0
04/09/15	10:00:00	1798.7	9.9
04/09/15	11:00:00	1798.9	9.8
04/09/15	12:00:00	1799.2	9.7

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/09/15	13:00:00	1799.7	9.7
04/09/15	14:00:00	1800.3	9.7
04/09/15	15:00:00	1800.8	9.7
04/09/15	16:00:00	1801.5	9.8
04/09/15	17:00:00	1801.9	9.7
04/09/15	18:00:00	1802.2	9.8
04/09/15	19:00:00	1802.7	9.8
04/09/15	20:00:00	1802.8	9.8
04/09/15	21:00:00	1803.3	9.9
04/09/15	22:00:00	1803.6	10.0
04/09/15	23:00:00	1803.8	10.1
04/10/15	00:00:00	1798.4	8.3
04/10/15	01:00:00	1797.5	8.3
04/10/15	02:00:00	1797.1	8.2
04/10/15	03:00:00	1796.9	8.2
04/10/15	04:00:00	1796.7	8.2
04/10/15	05:00:00	1796.5	8.3
04/10/15	06:00:00	1796.3	8.3
04/10/15	07:00:00	1796.1	8.3
04/10/15	08:00:00	1796.0	8.3
04/10/15	09:00:00	1795.8	8.1
04/10/15	10:00:00	1796.0	8.1
04/10/15	11:00:00	1796.3	8.0
04/10/15	12:00:00	1796.6	8.0
04/10/15	13:00:00	1797.0	8.0
04/10/15	14:00:00	1797.3	8.0
04/10/15	15:00:00	1797.7	8.0
04/10/15	16:00:00	1798.0	7.9
04/10/15	17:00:00	1798.4	7.9
04/10/15	18:00:00	1798.6	8.0
04/10/15	19:00:00	1799.0	8.0
04/10/15	20:00:00	1798.9	8.1
04/10/15	21:00:00	1799.0	8.1
04/10/15	22:00:00	1799.0	8.1
04/10/15	23:00:00	1799.0	8.2
04/11/15	00:00:00	1798.9	8.2
04/11/15	01:00:00	1799.0	8.2
04/11/15	02:00:00	1798.8	8.2
04/11/15	03:00:00	1798.7	8.3
04/11/15	04:00:00	1798.6	8.3
04/11/15	05:00:00	1798.4	8.3
04/11/15	06:00:00	1798.3	8.3
04/11/15	07:00:00	1798.1	8.2
04/11/15	08:00:00	1798.2	8.2
04/11/15	09:00:00	1798.2	8.0
04/11/15	10:00:00	1798.4	8.0
04/11/15	11:00:00	1798.8	8.0
04/11/15	12:00:00	1799.0	8.0
04/11/15	13:00:00	1799.6	8.0
04/11/15	14:00:00	1799.9	8.0
04/11/15	15:00:00	1800.2	7.9
04/11/15	16:00:00	1800.6	7.9
04/11/15	17:00:00	1801.0	7.9
04/11/15	18:00:00	1801.0	7.9
04/11/15	19:00:00	1801.4	7.9
04/11/15	20:00:00	1801.7	8.1

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/11/15	21:00:00	1801.9	8.2
04/11/15	22:00:00	1801.2	7.9
04/11/15	23:00:00	1801.9	8.2
04/12/15	00:00:00	1801.9	8.2
04/12/15	01:00:00	1802.1	8.2
04/12/15	02:00:00	1802.1	8.3
04/12/15	03:00:00	1801.9	8.3
04/12/15	04:00:00	1801.8	8.3
04/12/15	05:00:00	1801.8	8.3
04/12/15	06:00:00	1801.7	8.3
04/12/15	07:00:00	1801.6	8.3
04/12/15	08:00:00	1800.5	7.7
04/12/15	09:00:00	1792.4	3.7
04/12/15	10:00:00	1791.6	3.4
04/12/15	11:00:00	1796.4	6.4
04/12/15	12:00:00	1800.7	7.9
04/12/15	13:00:00	1801.2	7.8
04/12/15	14:00:00	1799.2	6.9
04/12/15	15:00:00	1800.0	7.2
04/12/15	16:00:00	1802.2	7.8
04/12/15	17:00:00	1802.8	7.8
04/12/15	18:00:00	1803.1	7.8
04/12/15	19:00:00	1803.6	7.8
04/12/15	20:00:00	1803.7	7.9
04/12/15	21:00:00	1804.1	8.1
04/12/15	22:00:00	1804.2	8.0
04/12/15	23:00:00	1804.3	8.1
04/13/15	00:00:00	1804.5	8.2
04/13/15	01:00:00	1804.4	8.1
04/13/15	02:00:00	1804.4	8.1
04/13/15	03:00:00	1804.5	8.2
04/13/15	04:00:00	1800.6	6.7
04/13/15	05:00:00	1801.7	7.4
04/13/15	06:00:00	1803.7	8.2
04/13/15	07:00:00	1803.7	8.2
04/13/15	08:00:00	1803.8	8.2
04/13/15	09:00:00	1803.5	8.0
04/13/15	10:00:00	1803.8	8.0
04/13/15	11:00:00	1804.1	7.9
04/13/15	12:00:00	1802.4	6.9
04/13/15	13:00:00	1803.8	7.6
04/13/15	14:00:00	1805.0	7.8
04/13/15	15:00:00	1804.1	7.2
04/13/15	16:00:00	1805.9	7.9
04/13/15	17:00:00	1806.5	8.0
04/13/15	18:00:00	1806.7	8.1
04/13/15	19:00:00	1807.1	8.1
04/13/15	20:00:00	1806.7	8.1
04/13/15	21:00:00	1806.9	8.2
04/13/15	22:00:00	1806.8	8.2
04/13/15	23:00:00	1806.8	8.2
04/14/15	00:00:00	1806.7	8.2
04/14/15	01:00:00	1806.7	8.2
04/14/15	02:00:00	1806.7	8.2
04/14/15	03:00:00	1806.8	8.2
04/14/15	04:00:00	1806.7	8.3

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/14/15	05:00:00	1806.6	8.3
04/14/15	06:00:00	1806.4	8.3
04/14/15	07:00:00	1806.4	8.3
04/14/15	08:00:00	1801.8	6.2
04/14/15	09:00:00	1809.8	9.5
04/14/15	10:00:00	1811.7	9.8
04/14/15	11:00:00	1812.1	9.8
04/14/15	12:00:00	1809.3	8.6
04/14/15	13:00:00	1813.3	9.9
04/14/15	14:00:00	1813.9	9.8
04/14/15	15:00:00	1814.4	9.8
04/14/15	16:00:00	1815.0	9.8
04/14/15	17:00:00	1815.6	9.8
04/14/15	18:00:00	1816.0	9.8
04/14/15	19:00:00	1816.4	9.9
04/14/15	20:00:00	1816.3	9.8
04/14/15	21:00:00	1816.4	9.8
04/14/15	22:00:00	1816.6	9.9
04/14/15	23:00:00	1816.6	9.9
04/15/15	00:00:00	1817.2	10.1
04/15/15	01:00:00	1817.5	10.2
04/15/15	02:00:00	1817.3	10.1
04/15/15	03:00:00	1817.5	10.2
04/15/15	04:00:00	1817.4	10.2
04/15/15	05:00:00	1817.6	10.2
04/15/15	06:00:00	1817.3	10.1
04/15/15	07:00:00	1817.3	10.1
04/15/15	08:00:00	1817.6	10.2
04/15/15	09:00:00	1817.3	10.0
04/15/15	10:00:00	1817.5	9.9
04/15/15	11:00:00	1817.9	9.9
04/15/15	12:00:00	1818.5	9.9
04/15/15	13:00:00	1819.0	9.8
04/15/15	14:00:00	1819.5	9.8
04/15/15	15:00:00	1820.3	9.9
04/15/15	16:00:00	1820.9	9.9
04/15/15	17:00:00	1821.3	9.8
04/15/15	18:00:00	1821.6	9.8
04/15/15	19:00:00	1822.2	9.8
04/15/15	20:00:00	1822.0	9.8
04/15/15	21:00:00	1822.5	9.9
04/15/15	22:00:00	1822.9	10.0
04/15/15	23:00:00	1823.2	10.2
04/16/15	00:00:00	1823.2	10.1
04/16/15	01:00:00	1823.3	10.2
04/16/15	02:00:00	1823.2	10.2
04/16/15	03:00:00	1823.0	10.2
04/16/15	04:00:00	1822.9	10.2
04/16/15	05:00:00	1822.9	10.2
04/16/15	06:00:00	1822.6	10.2
04/16/15	07:00:00	1822.4	10.2
04/16/15	08:00:00	1822.3	10.2
04/16/15	09:00:00	1820.6	9.5
04/16/15	10:00:00	1821.3	9.6
04/16/15	11:00:00	1821.8	9.6
04/16/15	12:00:00	1822.2	9.5

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/16/15	13:00:00	1821.4	9.1
04/16/15	14:00:00	1809.3	2.1
04/16/15	15:00:00	1803.2	0.0
04/16/15	16:00:00	1802.0	0.0
04/16/15	17:00:00	1801.2	0.0
04/16/15	18:00:00	1800.3	0.0
04/16/15	19:00:00	1799.7	0.0
04/16/15	20:00:00	1798.7	0.0
04/16/15	21:00:00	1798.1	0.0
04/16/15	22:00:00	1797.7	0.0
04/16/15	23:00:00	1797.2	0.0
04/17/15	00:00:00	1796.7	0.0
04/17/15	01:00:00	1796.2	0.0
04/17/15	02:00:00	1795.7	0.0
04/17/15	03:00:00	1795.3	0.0
04/17/15	04:00:00	1795.0	0.0
04/17/15	05:00:00	1794.6	0.0
04/17/15	06:00:00	1794.2	0.0
04/17/15	07:00:00	1793.9	0.0
04/17/15	08:00:00	1793.6	0.0
04/17/15	09:00:00	1793.2	0.0
04/17/15	10:00:00	1792.9	0.0
04/17/15	11:00:00	1792.5	0.0
04/17/15	12:00:00	1792.2	0.0
04/17/15	13:00:00	1791.9	0.0
04/17/15	14:00:00	1791.7	0.0
04/17/15	15:00:00	1791.4	0.0
04/17/15	16:00:00	1791.2	0.0
04/17/15	17:00:00	1791.1	0.0
04/17/15	18:00:00	1790.7	0.0
04/17/15	19:00:00	1790.7	0.0
04/17/15	20:00:00	1790.2	0.0
04/17/15	21:00:00	1790.1	0.0
04/17/15	22:00:00	1790.0	0.0
04/17/15	23:00:00	1789.8	0.0
04/18/15	00:00:00	1789.7	0.0
04/18/15	01:00:00	1789.5	0.0
04/18/15	02:00:00	1789.4	0.0
04/18/15	03:00:00	1789.3	0.0
04/18/15	04:00:00	1789.1	0.0
04/18/15	05:00:00	1789.7	0.9
04/18/15	06:00:00	1790.5	1.9
04/18/15	07:00:00	1790.8	1.9
04/18/15	08:00:00	1791.4	1.9
04/18/15	09:00:00	1792.1	3.6
04/18/15	10:00:00	1792.7	3.6
04/18/15	11:00:00	1793.3	3.6
04/18/15	12:00:00	1796.0	4.9
04/18/15	13:00:00	1797.9	5.5
04/18/15	14:00:00	1798.7	5.5
04/18/15	15:00:00	1799.0	5.3
04/18/15	16:00:00	1801.7	6.5
04/18/15	17:00:00	1805.7	7.6
04/18/15	18:00:00	1806.3	7.6
04/18/15	19:00:00	1806.9	7.6
04/18/15	20:00:00	1807.4	7.7

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/18/15	21:00:00	1807.9	7.7
04/18/15	22:00:00	1808.3	7.7
04/18/15	23:00:00	1808.6	7.7
04/19/15	00:00:00	1809.1	7.8
04/19/15	01:00:00	1810.0	8.1
04/19/15	02:00:00	1810.2	8.0
04/19/15	03:00:00	1810.3	8.1
04/19/15	04:00:00	1810.4	8.0
04/19/15	05:00:00	1810.6	8.1
04/19/15	06:00:00	1810.5	8.1
04/19/15	07:00:00	1810.7	8.1
04/19/15	08:00:00	1810.7	8.0
04/19/15	09:00:00	1810.8	7.9
04/19/15	10:00:00	1811.2	7.9
04/19/15	11:00:00	1811.4	7.8
04/19/15	12:00:00	1811.9	7.7
04/19/15	13:00:00	1812.4	7.7
04/19/15	14:00:00	1813.0	7.7
04/19/15	15:00:00	1813.5	7.7
04/19/15	16:00:00	1814.1	7.7
04/19/15	17:00:00	1814.6	7.7
04/19/15	18:00:00	1814.8	7.7
04/19/15	19:00:00	1815.4	7.8
04/19/15	20:00:00	1815.5	7.9
04/19/15	21:00:00	1815.7	7.9
04/19/15	22:00:00	1815.8	7.9
04/19/15	23:00:00	1815.8	7.9
04/20/15	00:00:00	1815.9	7.9
04/20/15	01:00:00	1815.9	8.0
04/20/15	02:00:00	1815.9	8.0
04/20/15	03:00:00	1815.8	8.0
04/20/15	04:00:00	1815.7	8.0
04/20/15	05:00:00	1815.7	8.0
04/20/15	06:00:00	1815.7	8.0
04/20/15	07:00:00	1815.7	8.0
04/20/15	08:00:00	1815.8	8.0
04/20/15	09:00:00	1815.2	7.7
04/20/15	10:00:00	1814.8	7.4
04/20/15	11:00:00	1814.9	7.3
04/20/15	12:00:00	1808.9	4.1
04/20/15	13:00:00	1814.2	6.8
04/20/15	14:00:00	1821.8	9.5
04/20/15	15:00:00	1822.5	9.4
04/20/15	16:00:00	1823.4	9.4
04/20/15	17:00:00	1824.2	9.5
04/20/15	18:00:00	1824.5	9.5
04/20/15	19:00:00	1824.8	9.5
04/20/15	20:00:00	1825.1	9.5
04/20/15	21:00:00	1825.5	9.6
04/20/15	22:00:00	1825.6	9.6
04/20/15	23:00:00	1826.0	9.7
04/21/15	00:00:00	1826.2	9.8
04/21/15	01:00:00	1822.8	8.6
04/21/15	02:00:00	1819.9	7.7
04/21/15	03:00:00	1819.7	7.7
04/21/15	04:00:00	1823.0	8.9

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/21/15	05:00:00	1826.1	9.8
04/21/15	06:00:00	1826.1	9.8
04/21/15	07:00:00	1826.3	9.8
04/21/15	08:00:00	1826.6	9.8
04/21/15	09:00:00	1826.7	9.8
04/21/15	10:00:00	1826.8	9.7
04/21/15	11:00:00	1826.1	9.2
04/21/15	12:00:00	1821.8	7.7
04/21/15	13:00:00	1820.3	5.7
04/21/15	14:00:00	1825.8	9.0
04/21/15	15:00:00	1827.8	9.5
04/21/15	16:00:00	1828.7	9.5
04/21/15	17:00:00	1829.2	9.6
04/21/15	18:00:00	1829.7	9.7
04/21/15	19:00:00	1829.7	9.6
04/21/15	20:00:00	1829.5	9.5
04/21/15	21:00:00	1824.8	8.0
04/21/15	22:00:00	1828.5	9.4
04/21/15	23:00:00	1829.9	9.9
04/22/15	00:00:00	1829.6	9.8
04/22/15	01:00:00	1829.5	9.8
04/22/15	02:00:00	1829.7	9.8
04/22/15	03:00:00	1829.8	9.9
04/22/15	04:00:00	1829.8	9.9
04/22/15	05:00:00	1829.7	9.8
04/22/15	06:00:00	1829.9	9.8
04/22/15	07:00:00	1829.9	9.8
04/22/15	08:00:00	1830.3	9.8
04/22/15	09:00:00	1830.3	9.7
04/22/15	10:00:00	1830.7	9.8
04/22/15	11:00:00	1830.4	9.5
04/22/15	12:00:00	1830.6	9.5
04/22/15	13:00:00	1826.2	7.8
04/22/15	14:00:00	1825.2	7.4
04/22/15	15:00:00	1823.8	6.6
04/22/15	16:00:00	1822.4	5.8
04/22/15	17:00:00	1831.3	9.4
04/22/15	18:00:00	1832.3	9.4
04/22/15	19:00:00	1832.9	9.5
04/22/15	20:00:00	1833.2	9.5
04/22/15	21:00:00	1833.7	9.6
04/22/15	22:00:00	1833.9	9.6
04/22/15	23:00:00	1834.2	9.7
04/23/15	00:00:00	1834.5	9.8
04/23/15	01:00:00	1834.4	9.7
04/23/15	02:00:00	1834.7	9.8
04/23/15	03:00:00	1835.1	10.0
04/23/15	04:00:00	1834.8	9.9
04/23/15	05:00:00	1834.7	9.9
04/23/15	06:00:00	1834.5	9.9
04/23/15	07:00:00	1834.5	9.9
04/23/15	08:00:00	1834.8	9.9
04/23/15	09:00:00	1834.5	9.8
04/23/15	10:00:00	1834.6	9.7
04/23/15	11:00:00	1834.9	9.6
04/23/15	12:00:00	1835.4	9.6

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/23/15	13:00:00	1835.7	9.5
04/23/15	14:00:00	1836.4	9.5
04/23/15	15:00:00	1836.9	9.5
04/23/15	16:00:00	1837.3	9.4
04/23/15	17:00:00	1837.8	9.4
04/23/15	18:00:00	1838.2	9.5
04/23/15	19:00:00	1838.4	9.5
04/23/15	20:00:00	1838.3	9.5
04/23/15	21:00:00	1838.8	9.6
04/23/15	22:00:00	1839.2	9.7
04/23/15	23:00:00	1839.5	9.8
04/24/15	00:00:00	1839.2	9.8
04/24/15	01:00:00	1839.2	9.7
04/24/15	02:00:00	1839.3	9.7
04/24/15	03:00:00	1839.4	9.8
04/24/15	04:00:00	1839.7	9.9
04/24/15	05:00:00	1839.7	9.9
04/24/15	06:00:00	1839.6	9.8
04/24/15	07:00:00	1822.4	0.2
04/24/15	08:00:00	1819.5	0.0
04/24/15	09:00:00	1818.7	0.0
04/24/15	10:00:00	1817.9	0.0
04/24/15	11:00:00	1817.1	0.0
04/24/15	12:00:00	1816.4	0.0
04/24/15	13:00:00	1815.8	0.0
04/24/15	14:00:00	1816.1	0.9
04/24/15	15:00:00	1827.8	7.7
04/24/15	16:00:00	1834.1	9.6
04/24/15	17:00:00	1834.8	9.6
04/24/15	18:00:00	1835.3	9.6
04/24/15	19:00:00	1835.7	9.6
04/24/15	20:00:00	1836.1	9.6
04/24/15	21:00:00	1836.5	9.7
04/24/15	22:00:00	1836.8	9.7
04/24/15	23:00:00	1837.2	9.7
04/25/15	00:00:00	1837.3	9.7
04/25/15	01:00:00	1837.5	9.7
04/25/15	02:00:00	1837.6	9.7
04/25/15	03:00:00	1837.7	9.7
04/25/15	04:00:00	1838.1	9.8
04/25/15	05:00:00	1838.3	9.8
04/25/15	06:00:00	1838.5	9.7
04/25/15	07:00:00	1838.7	9.8
04/25/15	08:00:00	1838.8	9.7
04/25/15	09:00:00	1839.2	9.8
04/25/15	10:00:00	1839.4	9.7
04/25/15	11:00:00	1839.6	9.6
04/25/15	12:00:00	1840.0	9.6
04/25/15	13:00:00	1840.4	9.6
04/25/15	14:00:00	1839.5	9.1
04/25/15	15:00:00	1839.8	9.2
04/25/15	16:00:00	1842.0	9.7
04/25/15	17:00:00	1842.3	9.7
04/25/15	18:00:00	1842.5	9.7
04/25/15	19:00:00	1842.9	9.7
04/25/15	20:00:00	1842.9	9.7

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/25/15	21:00:00	1843.3	9.8
04/25/15	22:00:00	1843.3	9.8
04/25/15	23:00:00	1843.8	9.9
04/26/15	00:00:00	1843.9	9.9
04/26/15	01:00:00	1843.9	10.0
04/26/15	02:00:00	1843.9	9.9
04/26/15	03:00:00	1843.8	9.9
04/26/15	04:00:00	1843.9	10.0
04/26/15	05:00:00	1843.9	10.0
04/26/15	06:00:00	1844.0	10.0
04/26/15	07:00:00	1843.9	10.0
04/26/15	08:00:00	1843.8	9.9
04/26/15	09:00:00	1843.6	9.7
04/26/15	10:00:00	1844.0	9.7
04/26/15	11:00:00	1844.1	9.6
04/26/15	12:00:00	1844.4	9.5
04/26/15	13:00:00	1845.2	9.6
04/26/15	14:00:00	1845.4	9.5
04/26/15	15:00:00	1846.1	9.5
04/26/15	16:00:00	1846.6	9.5
04/26/15	17:00:00	1846.9	9.5
04/26/15	18:00:00	1847.0	9.4
04/26/15	19:00:00	1847.5	9.4
04/26/15	20:00:00	1847.6	9.5
04/26/15	21:00:00	1847.8	9.6
04/26/15	22:00:00	1848.2	9.7
04/26/15	23:00:00	1848.5	9.8
04/27/15	00:00:00	1848.7	9.8
04/27/15	01:00:00	1848.6	9.8
04/27/15	02:00:00	1848.7	9.8
04/27/15	03:00:00	1848.9	9.9
04/27/15	04:00:00	1848.7	9.8
04/27/15	05:00:00	1848.6	9.8
04/27/15	06:00:00	1848.7	9.8
04/27/15	07:00:00	1848.6	9.8
04/27/15	08:00:00	1848.3	9.7
04/27/15	09:00:00	1848.0	9.5
04/27/15	10:00:00	1848.6	9.6
04/27/15	11:00:00	1849.0	9.6
04/27/15	12:00:00	1849.4	9.6
04/27/15	13:00:00	1849.6	9.5
04/27/15	14:00:00	1849.4	9.2
04/27/15	15:00:00	1850.1	9.2
04/27/15	16:00:00	1850.6	9.2
04/27/15	17:00:00	1851.0	9.2
04/27/15	18:00:00	1851.3	9.3
04/27/15	19:00:00	1851.9	9.3
04/27/15	20:00:00	1852.0	9.3
04/27/15	21:00:00	1852.5	9.4
04/27/15	22:00:00	1852.7	9.4
04/27/15	23:00:00	1853.2	9.6
04/28/15	00:00:00	1853.8	9.7
04/28/15	01:00:00	1853.9	9.8
04/28/15	02:00:00	1853.7	9.8
04/28/15	03:00:00	1853.4	9.8
04/28/15	04:00:00	1853.4	9.8

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/28/15	05:00:00	1853.4	9.9
04/28/15	06:00:00	1853.4	9.8
04/28/15	07:00:00	1853.5	9.8
04/28/15	08:00:00	1853.6	9.8
04/28/15	09:00:00	1852.9	9.6
04/28/15	10:00:00	1852.8	9.5
04/28/15	11:00:00	1852.8	9.4
04/28/15	12:00:00	1853.2	9.3
04/28/15	13:00:00	1853.7	9.3
04/28/15	14:00:00	1854.1	9.2
04/28/15	15:00:00	1854.7	9.2
04/28/15	16:00:00	1854.9	9.1
04/28/15	17:00:00	1855.6	9.3
04/28/15	18:00:00	1856.0	9.3
04/28/15	19:00:00	1856.4	9.3
04/28/15	20:00:00	1856.5	9.4
04/28/15	21:00:00	1856.9	9.6
04/28/15	22:00:00	1857.1	9.7
04/28/15	23:00:00	1857.2	9.7
04/29/15	00:00:00	1857.0	9.8
04/29/15	01:00:00	1857.3	9.9
04/29/15	02:00:00	1857.1	9.9
04/29/15	03:00:00	1857.0	9.9
04/29/15	04:00:00	1856.7	9.9
04/29/15	05:00:00	1856.6	9.9
04/29/15	06:00:00	1856.3	9.9
04/29/15	07:00:00	1856.3	9.8
04/29/15	08:00:00	1856.5	9.8
04/29/15	09:00:00	1856.0	9.7
04/29/15	10:00:00	1856.2	9.6
04/29/15	11:00:00	1856.3	9.5
04/29/15	12:00:00	1856.6	9.3
04/29/15	13:00:00	1857.2	9.4
04/29/15	14:00:00	1857.6	9.3
04/29/15	15:00:00	1858.3	9.3
04/29/15	16:00:00	1858.7	9.3
04/29/15	17:00:00	1859.0	9.3
04/29/15	18:00:00	1859.2	9.3
04/29/15	19:00:00	1859.7	9.3
04/29/15	20:00:00	1859.6	9.3
04/29/15	21:00:00	1859.8	9.4
04/29/15	22:00:00	1860.2	9.5
04/29/15	23:00:00	1860.5	9.6
04/30/15	00:00:00	1860.6	9.7
04/30/15	01:00:00	1860.5	9.7
04/30/15	02:00:00	1860.5	9.8
04/30/15	03:00:00	1860.5	9.8
04/30/15	04:00:00	1860.3	9.8
04/30/15	05:00:00	1860.0	9.8
04/30/15	06:00:00	1859.8	9.7
04/30/15	07:00:00	1859.5	9.7
04/30/15	08:00:00	1859.5	9.7
04/30/15	09:00:00	1859.2	9.5
04/30/15	10:00:00	1859.6	9.5
04/30/15	11:00:00	1859.7	9.4
04/30/15	12:00:00	1859.8	9.2

## Attachment 1b - Continuous Monitoring Device Data for I/W Well - Hourly

DATE	TIME	INJ. PRESS (PSIG)	INJ. RATE (MMSCFD)
04/30/15	13:00:00	1860.3	9.2
04/30/15	14:00:00	1861.1	9.2
04/30/15	15:00:00	1861.9	9.2
04/30/15	16:00:00	1862.3	9.2
04/30/15	17:00:00	1862.7	9.2
04/30/15	18:00:00	1862.8	9.2
04/30/15	19:00:00	1863.1	9.1
04/30/15	20:00:00	1863.2	9.2
04/30/15	21:00:00	1863.5	9.3
04/30/15	22:00:00	1864.1	9.5
04/30/15	23:00:00	1864.3	9.5
05/01/15	00:00:00	1864.6	9.6

### Notes:

- 1) Data are missing on 3/08/15 at 02:00:00 hours because this hour was lost due to daylight savings time.
- 2) Data are missing on 4/03/15 at 08:00:00 hours because the DAS data recording system was down. No data was being recorded during this period.

## ATTACHMENT 2

Wellhead Tubing and Casing Annulus Data for Piacentine 1-27 Well

Attachment 2 - Continuous Monitoring Device Data for Piacentine 1-27 - Daily

CSV Data File Name	Date	Start Time	Stop Time	Duration (min)	Number of Data Points	Piacentine 1-27 Well												
						PIT-016A (PSIG)			PIT-016B (PSIG)			TIT-016A (°F)			TIT-016B (°F)			
						Tubing Pressure			Annulus Pressure			Tubing Temperature			Annulus Temperature			
						Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	
CAES150113	01/13/15	14:23:01	23:59:56	09:36:55	6863	0.0	-0.6	0.4	-0.6	-1.0	-0.1							
CAES150114	01/14/15	00:00:01	23:59:56	23:59:55	14498	0.1	-0.5	0.4	-0.8	-1.0	-0.1	70.7	-35.3	73.8	72.1	69.9	72.1	
CAES150115	01/15/15	00:00:01	23:59:56	23:59:55	17280	0.3	0.2	0.3	-1.0	-1.0	-0.9	73.8	73.8	73.8	72.1	72.1	72.1	
CAES150116	01/16/15	00:00:01	09:52:26	09:52:25	7110	0.3	0.2	0.4	-1.0	-1.0	-0.9	73.8	73.8	73.8	72.1	72.1	72.1	
	01/17/15					-14.7	-14.7	-14.7	-14.7	-14.7	-14.7							
	01/18/15					-14.7	-14.7	-14.7	-14.7	-14.7	-14.7							
CAES150119	01/19/15	10:59:06	23:59:56	13:00:50	9215	0.2	0.1	0.3	-1.0	-1.0	-0.9	73.8	73.8	73.8	72.1	72.1	72.1	
CAES150120	01/20/15	00:00:01	23:59:56	23:59:55	17277	0.2	0.1	0.3	-0.7	-1.0	-0.1	53.9	12.6	73.8	53.3	14.5	72.1	
CAES150121	01/21/15	00:00:01	23:59:56	23:59:55	16971	0.2	-0.5	0.5	985.9	-0.2	2988.5	49.4	12.6	124.3	49.4	14.5	120.4	
CAES150122	01/22/15	00:00:00	23:59:55	23:59:55	17247	-1.1	-14.7	764.4	2667.8	-14.7	2992.4	122.9	0.0	124.4	119.1	0.0	120.5	
CAES150123	01/23/15	00:00:00	23:59:55	23:59:55	17241	1.3	-0.2	3.1	1133.8	-0.7	2988.3	47.2	0.0	124.3	45.8	0.0	120.4	
CAES150124	01/24/15	00:00:00	07:28:10	07:28:10	5379	2.2	2.1	2.9	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
CAES150125	01/25/15					0.0	0.0	0.0	0.0	0.0	0.0							
CAES150126	01/26/15	08:28:45	23:59:55	15:31:10	11175	2.4	1.3	3.6	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
CAES150127	01/27/15	00:00:00	16:59:00	16:59:00	12229	777.7	2.1	1686.5	3.9	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	
CAES150128	01/28/15					0.0	0.0	0.0	0.0	0.0	0.0							
CAES150129	01/29/15	07:46:05	23:59:55	16:13:50	11215	1678.6	1676.0	1681.7	17.8	16.8	19.2	62.8	51.8	76.5	60.2	55.3	67.0	
CAES150130	01/30/15	00:00:00	16:40:50	16:40:50	11837	1682.6	1676.8	1686.5	17.1	15.4	18.5	54.3	39.1	77.1	56.7	50.0	67.4	
CAES150131	01/31/15	15:36:35	23:59:55	08:23:20	6035	1663.5	1656.2	1666.6	111.1	19.1	2988.3	63.1	51.8	81.9	60.4	55.9	70.0	
CAES150201	02/01/15	00:00:00	23:59:55	23:59:55	17280	1617.0	1577.9	1656.3	19.5	19.1	20.6	58.2	48.3	75.2	58.3	53.3	66.0	
CAES150202	02/02/15	00:00:00	23:59:55	23:59:55	15827	1542.0	1504.5	1578.0	19.6	19.1	20.8	57.7	48.9	73.5	58.1	53.8	65.2	
CAES150203	02/03/15	00:00:00	23:59:55	23:59:55	17280	1520.9	1473.0	1608.0	19.1	17.6	20.6	61.6	51.5	80.6	60.2	55.4	69.8	
CAES150204	02/04/15	00:00:00	23:59:55	23:59:55	17280	1667.2	1608.0	1686.4	18.8	18.1	19.9	53.4	42.3	68.7	55.6	50.7	62.5	
CAES150205	02/05/15	00:00:00	23:59:55	23:59:55	17207	1686.3	1686.2	1686.5	19.6	19.2	20.1	50.3	43.3	58.2	53.6	50.3	56.9	
CAES150206	02/06/15	00:00:00	23:59:55	23:59:55	16349	1686.3	1686.2	1686.4	20.6	19.9	21.4	57.1	49.1	65.0	56.3	53.0	59.9	
CAES150207	02/07/15	00:00:00	23:59:55	23:59:55	17280	1686.3	1686.2	1688.6	21.5	20.5	23.5	61.1	55.9	71.2	59.1	55.9	64.4	
CAES150208	02/08/15	00:00:00	23:59:55	23:59:55	17280	1686.3	1686.2	1687.1	22.0	21.3	22.8	60.0	56.3	64.9	59.1	57.2	60.9	
CAES150209	02/09/15	00:00:00	23:59:55	23:59:55	17280	1686.5	1686.2	1687.1	22.4	22.0	23.5	64.1	48.4	81.9	60.2	54.0	69.8	
CAES150210	02/10/15	00:00:00	23:59:55	23:59:55	17268	1686.9	1686.2	1689.0	43.2	0.0	86.2	55.1	41.9	73.2	55.9	49.6	65.1	
CAES150211	02/11/15	00:00:00	23:59:55	23:59:55	17280	1687.5	1686.8	1687.9	84.1	82.8	85.3	57.5	38.5	81.7	56.7	47.3	69.3	
CAES150212	02/12/15	00:00:00	23:59:55	23:59:55	17280	1687.7	1686.8	1688.4	83.0	82.0	84.6	62.4	42.9	88.7	59.4	49.9	74.1	
CAES150213	02/13/15	00:00:00	23:59:55	23:59:55	17280	1688.0	1686.8	1689.9	81.9	80.6	83.0	62.9	43.5	90.7	60.4	50.9	75.9	
CAES150214	02/14/15	00:00:00	23:59:55	23:59:55	16079	1692.0	1687.7	1700.1	80.9	79.9	82.4	63.6	43.3	90.8	61.0	51.0	76.4	
CAES150215	02/15/15	00:00:00	23:59:55	23:59:55	17280	1701.5	1697.9	1703.1	80.1	79.3	81.6	62.4	44.5	86.7	60.3	51.6	73.0	
CAES150216	02/16/15	00:00:00	23:59:55	23:59:55	17280	1704.0	1702.9	1705.4	79.1	77.9	80.1	63.3	43.8	89.6	61.0	51.2	76.0	
CAES150217	02/17/15	00:00:00	23:59:55	23:59:55	17280	1698.9	1693.5	1706.7	77.9	77.1	78.7	57.5	47.0	77.2	58.3	53.5	70.5	
CAES150218	02/18/15	00:00:00	23:59:55	23:59:55	17198	1693.3	1692.0	1697.2	76.8	75.8	78.0	58.1	45.2	77.4	57.2	50.9	68.2	
CAES150219	02/19/15	00:00:00	23:59:55	23:59:55	17243	1701.4	1694.1	1705.3	75.9	75.7	76.4	53.2	46.5	58.5	55.4	52.6	58.0	
CAES150220	02/20/15	00:00:00	23:59:55	23:59:55	16689	1703.5	1697.9	1706.2	75.3	74.2	76.4	58.5	48.5	78.8	58.3	53.2	70.5	
CAES150221	02/21/15	00:00:00	23:59:55	23:59:55	17280	1707.4	1705.2	1708.4	74.5	73.4	75.0	55.6	46.5	75.1	56.6	52.6	68.1	
CAES150222	02/22/15	00:00:00	23:59:55	23:59:55	17280	1708.9	1708.1	1710.5	73.9	72.8	74.9	56.1	43.6	74.4	56.6	49.6	69.5	
CAES150223	02/23/15	00:00:00	23:59:55	23:59:55	17280	1712.4	1709.6	1717.7	73.1	72.0	74.3	54.3	40.3	75.6	54.8	46.6	69.2	
CAES150224	02/24/15	00:00:00	23:59:55	23:59:55	17280	1720.9	1717.0	1726.7	72.5	71.3	74.3	55.3	32.8	86.7	55.0	43.1	73.2	
CAES150225	02/25/15	00:00:00	23:59:55	23:59:55	17280	1724.8	1715.6	1728.8	72.3	71.3	73.6	55.7	34.9	80.0	55.9	45.1	70.9	
CAES150226	02/26/15	00:00:00	23:59:55	23:59:55	17280	1729.8	1721.3	1733.2	72.0	71.2	73.5	58.9	39.7	82.9	58.6	48.0	74.7	
CAES150227	02/27/15	00:00:00	23:59:55	23:59:55	17274	1735.7	1732.3	1739.0	71.8	70.5	73.0	60.1	50.2	75.9	59.5	53.3	72.5	
CAES150228	02/28/15	00:00:00	23:59:55	23:59:55	17280	1741.0	1738.3	1744.1	71.2	70.5	72.0	57.0	46.6	76.6	57.3	51.4	70.2	
CAES150301	03/01/15	00:00:00	23:59:55	23:59:55	17280	1743.3	1740.3	1747.0	71.0	69.7	72.9	58.4	38.9	84.4	57.9	47.8	74.1	
CAES150302	03/02/15	00:00:00	23:59:55	23:59:55	17280	1748.3	1746.4	1750.8	70.6	69.6	72.0	55.2	44.7	79.1	56.6	50.5	70.4	
CAES150303	03/03/15	00:00:00	23:59:55	23:59:55	17280	1745.0	1736.9	1752.1	70.2	69.1	71.3	55.7	38.4	78.9	56.9	46.9	72.7	
CAES150304	03/04/15	00:00:00	23:59:55	23:59:55	17280	1751.9	1746.9	1755.1	70.2	69.1	71.3	59.7	37.0	87.4	58.3	46.7	75.5	
CAES150305	03/05/15	00:00:00	23:59:55	23:59:55	17280	1757.1	1755.0	1759.7	70.1	69.1	71.3	60.9	37.0	89.8	59.3	47.3	77.2	
CAES150306	03/06/15	00:00:00	23:59:55	23:59:55	17280	1761.0	1758.7	1763.1	70.0	69.2	71.3	62.0	38.9	90.0	60.6	48.8	78.8	
CAES150307	03/07/15	00:00:00	23:59:55	23:59:55	17280	1764.3	1762.4	1766.1	70.0	69.1	71.4	66.3	42.0	96.7	62.6	50.4	80.8	
CAES150308	03/08/15	00:00:00	23:59:55	23:59:55	16560	1767.5	1765.4	1769.1	70.0	69.0	71.3	66.0	42.9	93.2	63.5	51.3	81.3	
CAES150309	03/09/15	00:00:00	23:59:55	23:59:55	17280	1770.5	1769.1	1772.0	70.0	69.1	71.3	68.2	45.1	97.0	64.6	52.8	82.1	
CAES150310	03/10/15	00:00:00	23:59:55	23:59:55	17280	1772.8	1771.1	1775.7	69.8	69.1	71.7	64.0	46.4	87.0	63.0	53.9	74.1	
CAES150311	03/11/15	00:00:00	23:59:55	23:59:55	17280	1776.4	1773.4	1777.9	69.4	69.1	70.6	60.2	54.2	71.6	60.2	57.2	65.1	

## Attachment 2 - Continuous Monitoring Device Data for Piacentine 1-27 - Daily

CSV Data File Name	Date	Start Time	Stop Time	Duration (min)	Number of Data Points	Piacentine 1-27 Well											
						PIT-016A (PSIG) Tubing Pressure			PIT-016B (PSIG) Annulus Pressure			TIT-016A (°F) Tubing Temperature			TIT-016B (°F) Annulus Temperature		
						Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max
CAES150326	03/26/15	00:00:00	23:59:55	23:59:55	17280	1810.3	1804.1	1814.5	69.7	68.2	71.3	75.1	49.7	106.3	70.0	56.8	88.9
CAES150327	03/27/15	00:00:00	23:59:55	23:59:55	17280	1817.3	1814.4	1820.2	70.0	69.1	71.4	72.2	53.0	96.2	70.4	59.6	87.8
CAES150328	03/28/15	00:00:00	23:59:55	23:59:55	17280	1821.6	1819.4	1823.9	69.8	69.1	71.4	70.4	51.8	96.1	69.1	57.9	88.2
CAES150329	03/29/15	00:00:00	23:59:55	23:59:55	17280	1822.0	1821.0	1823.3	70.0	68.2	71.4	72.7	48.2	100.0	70.2	56.4	90.2
CAES150330	03/30/15	00:00:00	23:59:55	23:59:55	17280	1726.2	(1)	1827.5	70.0	68.2	71.3	69.7	47.8	97.4	69.0	56.8	86.9
CAES150331	03/31/15	00:00:00	23:59:55	23:59:55	17280	1827.1	1826.0	1828.4	69.9	69.1	70.6	66.7	54.7	83.3	67.0	58.6	80.6
CAES150401	04/01/15	00:00:00	23:59:55	23:59:55	17280	1821.8	1814.4	1829.2	69.3	68.1	70.6	61.3	43.8	82.1	63.0	52.9	78.5
CAES150402	04/02/15	00:00:00	23:59:55	23:59:55	17280	1811.0	1808.6	1814.5	69.1	67.9	70.6	63.0	48.4	83.0	64.0	53.6	80.8
CAES150403	04/03/15	00:00:00	23:59:55	23:59:55	16140	1813.4	1806.5	1822.5	69.5	67.9	71.3	65.3	43.6	91.1	65.5	52.8	84.1
CAES150404	04/04/15	00:00:00	23:59:55	23:59:55	17280	1274.8	(2)	1826.2	69.7	68.2	72.1	60.4	42.8	84.2	62.4	52.7	78.2
CAES150405	04/05/15	00:00:00	23:59:55	23:59:55	17280	1824.7	1822.4	1826.9	69.3	68.2	70.6	55.3	46.1	67.2	57.9	53.3	65.4
CAES150406	04/06/15	00:00:00	23:59:55	23:59:55	17280	1828.3	1826.0	1829.9	69.2	68.2	70.7	57.2	38.0	76.4	58.7	48.1	71.3
CAES150407	04/07/15	00:00:00	23:59:55	23:59:55	17280	1831.2	1829.8	1832.7	68.9	68.2	69.8	52.4	46.0	66.0	54.2	49.6	62.2
CAES150408	04/08/15	00:00:00	23:59:55	23:59:55	17280	1834.1	1832.6	1835.8	69.0	68.2	70.7	57.0	41.2	79.3	57.3	48.7	72.1
CAES150409	04/09/15	00:00:00	23:59:55	23:59:55	17280	1837.1	1835.7	1838.6	69.5	68.2	70.7	62.9	40.1	89.0	61.0	49.6	77.3
CAES150410	04/10/15	00:00:00	23:59:55	23:59:55	17280	1837.3	1837.0	1837.9	70.0	69.1	71.4	65.1	44.4	89.9	63.7	52.7	80.5
CAES150411	04/11/15	00:00:00	23:59:55	23:59:55	17280	1838.3	1837.1	1839.3	70.1	69.1	71.3	65.7	46.0	91.6	64.5	53.6	81.7
CAES150412	04/12/15	00:00:00	23:59:55	23:59:55	17280	1839.1	1837.1	1840.1	70.4	69.1	72.0	70.0	48.0	95.9	67.0	54.5	85.0
CAES150413	04/13/15	00:00:00	23:59:55	23:59:55	17280	1840.7	1839.2	1842.2	70.6	69.1	72.0	65.9	47.5	85.9	65.8	55.6	80.5
CAES150414	04/14/15	00:00:00	23:59:55	23:59:55	17280	1843.9	1841.4	1846.7	70.5	69.2	72.0	61.4	44.7	78.7	62.1	52.1	76.3
CAES150415	04/15/15	00:00:00	23:59:55	23:59:55	17280	1848.5	1845.9	1850.3	71.0	69.6	72.8	64.7	46.7	86.8	63.8	52.4	80.8
CAES150416	04/16/15	00:00:00	23:59:55	23:59:55	17280	1847.9	1840.0	1852.0	71.8	69.8	73.4	71.1	43.8	99.5	67.4	52.6	87.1
CAES150417	04/17/15	00:00:00	23:59:55	23:59:55	17280	1836.0	1832.7	1840.1	72.5	70.9	74.3	73.2	47.2	100.1	70.0	55.8	89.0
CAES150418	04/18/15	00:00:00	23:59:55	23:59:55	14138	1835.2	1831.2	1840.2	73.5	71.8	74.9	74.5	50.4	103.9	71.1	58.1	90.3
CAES150419	04/19/15	00:00:00	23:59:55	23:59:55	17280	1842.9	1840.0	1845.2	74.3	72.8	75.8	72.3	52.5	101.2	70.8	59.4	89.7
CAES150420	04/20/15	00:00:00	23:59:55	23:59:55	17280	1846.6	1844.4	1849.6	74.9	73.4	76.4	66.0	51.9	86.1	67.0	57.7	82.4
CAES150421	04/21/15	00:00:00	23:59:55	23:59:55	17280	1850.7	1848.7	1852.5	75.6	74.3	77.3	64.1	51.6	82.4	65.0	56.5	78.2
CAES150422	04/22/15	00:00:00	23:59:55	23:59:55	17280	1853.9	1852.4	1855.4	76.9	74.9	78.7	67.8	48.7	95.0	67.2	56.5	83.9
CAES150423	04/23/15	00:00:00	23:59:55	23:59:55	17280	1857.2	1855.3	1859.1	78.4	76.3	80.1	68.5	50.4	91.4	68.5	58.2	84.1
CAES150424	04/24/15	00:00:00	23:59:55	23:59:55	16748	1855.4	1850.2	1859.1	79.3	77.8	81.0	65.5	55.2	80.7	66.5	59.0	79.2
CAES150425	04/25/15	00:00:00	23:59:55	23:59:55	17280	1859.6	1856.8	1862.0	80.2	78.6	81.5	64.0	52.9	81.5	63.7	56.3	76.5
CAES150426	04/26/15	00:00:00	23:59:55	23:59:55	17280	1863.2	1861.2	1864.9	81.8	80.0	83.9	67.8	49.1	90.5	66.2	54.9	83.1
CAES150427	04/27/15	00:00:00	23:59:55	23:59:55	17280	1866.0	1864.2	1867.2	84.0	82.4	86.0	78.5	53.7	108.6	72.2	58.6	91.3
CAES150428	04/28/15	00:00:00	23:59:55	23:59:55	17280	1868.3	1867.1	1869.3	85.8	83.8	87.6	74.6	52.6	98.6	72.5	60.3	89.5
CAES150429	04/29/15	00:00:00	23:59:55	23:59:55	17280	1444.4	(3)	1871.0	69.2	(3)	88.2	72.6	48.7	99.0	71.3	58.2	89.5
CAES150430	04/30/15	00:00:00	23:59:55	23:59:55	17280	1838.3	(4)	1862.9	89.0	86.7	91.3	79.0	52.3	110.1	73.8	60.2	92.9
February Monthly Data (Operating Conditions Only):						1712.8	1687.7	1744.1	74.9	70.5	82.4	57.9	32.8	90.8	57.7	43.1	76.4
March Monthly Data (Operating Conditions Only):						1786.7	1736.9	1827.5	69.8	68.1	72.9	65.9	37.0	106.3	64.4	46.7	90.2
April Monthly Data (Operating Conditions Only):						1842.0	1806.5	1871.0	74.3	67.9	91.3	66.2	38.0	110.1	65.5	48.1	92.9

- Notes:
- 1) Data are missing on 3/30/15 because the BHP tools were installed in the well for the mid-bubble build pressure survey and the pressure transmitter was taken out of service.
  - 2) Data are missing on 4/4/15 because the Halliburton TMDL log was run in the well and the pressure transmitter was taken out of service.
  - 3) Data are missing on 4/29/15 because the Piacentine 1-27 wellhead was out of service due to conducting temperature logging in the well.
  - 4) Data are missing on 4/30/15 because the Piacentine 1-27 wellhead was out of service due to installation of the pressure-temperature recorder.

**Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly**

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
02/08/15	01:00:00	1686.3	21.7	56.5	57.3
02/08/15	02:00:00	1686.3	21.8	57.1	57.5
02/08/15	03:00:00	1686.3	21.8	57.8	57.8
02/08/15	04:00:00	1686.3	21.7	57.5	57.9
02/08/15	05:00:00	1686.3	21.9	57.5	57.9
02/08/15	06:00:00	1686.3	21.9	58.4	58.2
02/08/15	07:00:00	1686.3	22.0	58.8	58.4
02/08/15	08:00:00	1686.3	22.1	59.0	58.5
02/08/15	09:00:00	1686.3	22.0	58.5	58.2
02/08/15	10:00:00	1686.3	22.0	58.3	58.1
02/08/15	11:00:00	1686.4	22.0	60.2	59.1
02/08/15	12:00:00	1686.4	22.1	62.0	60.1
02/08/15	13:00:00	1686.3	22.1	61.7	60.5
02/08/15	14:00:00	1686.4	22.1	61.1	60.8
02/08/15	15:00:00	1686.3	22.1	61.3	60.6
02/08/15	16:00:00	1686.4	22.1	61.7	60.6
02/08/15	17:00:00	1686.3	22.1	62.9	60.6
02/08/15	18:00:00	1686.3	22.1	64.1	60.7
02/08/15	19:00:00	1686.3	22.0	62.5	60.6
02/08/15	20:00:00	1686.4	22.1	62.0	60.3
02/08/15	21:00:00	1686.4	22.1	61.3	59.7
02/08/15	22:00:00	1686.3	22.1	60.2	59.2
02/08/15	23:00:00	1686.3	22.1	59.5	58.7
02/09/15	00:00:00	1686.5	22.1	59.5	58.2
02/09/15	01:00:00	1686.4	22.1	60.0	57.8
02/09/15	02:00:00	1686.4	22.1	58.9	57.4
02/09/15	03:00:00	1686.3	22.1	57.4	57.0
02/09/15	04:00:00	1686.5	22.1	57.2	56.8
02/09/15	05:00:00	1686.3	22.1	57.5	56.6
02/09/15	06:00:00	1686.5	22.1	57.5	56.5
02/09/15	07:00:00	1686.4	22.1	57.0	56.2
02/09/15	08:00:00	1686.4	22.1	56.6	56.1
02/09/15	09:00:00	1686.9	22.5	58.2	56.2
02/09/15	10:00:00	1687.0	22.8	63.9	57.7
02/09/15	11:00:00	1687.0	22.8	68.9	60.4
02/09/15	12:00:00	1686.9	22.8	72.6	63.0
02/09/15	13:00:00	1686.7	22.7	75.7	65.3
02/09/15	14:00:00	1686.5	22.5	77.4	66.9
02/09/15	15:00:00	1686.4	22.7	80.2	68.8
02/09/15	16:00:00	1686.4	22.6	81.4	69.2
02/09/15	17:00:00	1686.4	22.8	80.1	67.4
02/09/15	18:00:00	1686.5	22.8	73.8	65.1
02/09/15	19:00:00	1686.5	22.8	66.9	62.6
02/09/15	20:00:00	1686.6	22.7	61.7	60.6
02/09/15	21:00:00	1686.4	22.6	58.2	58.9
02/09/15	22:00:00	1686.5	22.4	55.0	57.2
02/09/15	23:00:00	1686.4	22.2	52.2	55.9
02/10/15	00:00:00	1686.4	22.1	49.5	54.5
02/10/15	01:00:00	1686.3	22.1	47.6	53.7
02/10/15	02:00:00	1686.4	22.1	46.4	53.0
02/10/15	03:00:00	1686.5	22.1	45.7	52.3
02/10/15	04:00:00	1686.4	22.1	45.2	51.8
02/10/15	05:00:00	1686.7	22.1	44.3	51.1
02/10/15	06:00:00	1686.4	22.1	43.5	50.6
02/10/15	07:00:00	1686.6	22.1	42.6	50.0
02/10/15	08:00:00	1686.8	22.1	42.3	49.8
02/10/15	09:00:00	1687.0	22.7	46.7	50.8
02/10/15	10:00:00	1687.1	22.8	53.4	53.6
02/10/15	11:00:00	1687.1	22.8	59.5	56.6
02/10/15	12:00:00	1687.0	22.8	64.4	59.3
02/10/15	13:00:00	1687.1	22.6	67.7	61.5
02/10/15	14:00:00	1687.1	22.7	71.0	63.5
02/10/15	15:00:00	1687.1	22.7	72.6	64.5
02/10/15	16:00:00	1687.2	18.8	70.1	63.3
02/10/15	17:00:00	1687.3	86.0	68.8	62.4
02/10/15	18:00:00	1687.2	86.0	66.4	60.9
02/10/15	19:00:00	1687.2	85.4	62.4	59.2
02/10/15	20:00:00	1687.1	85.3	58.7	57.5
02/10/15	21:00:00	1687.3	85.2	55.2	56.0
02/10/15	22:00:00	1687.2	84.8	52.2	54.7
02/10/15	23:00:00	1687.2	84.5	49.6	53.4
02/11/15	00:00:00	1687.2	84.5	47.4	52.4
02/11/15	01:00:00	1687.4	84.5	45.5	51.6
02/11/15	02:00:00	1687.3	84.2	44.0	50.8
02/11/15	03:00:00	1687.5	83.9	42.8	50.0
02/11/15	04:00:00	1687.2	83.8	41.8	49.4
02/11/15	05:00:00	1687.4	83.8	40.8	48.8
02/11/15	06:00:00	1687.4	83.8	39.7	48.3
02/11/15	07:00:00	1687.4	83.7	39.0	47.7
02/11/15	08:00:00	1687.6	83.4	38.6	47.4
02/11/15	09:00:00	1687.7	83.8	43.4	48.5
02/11/15	10:00:00	1687.7	84.1	50.9	51.4
02/11/15	11:00:00	1687.7	84.4	59.0	55.2
02/11/15	12:00:00	1687.7	84.5	65.9	58.7
02/11/15	13:00:00	1687.7	84.5	72.2	62.5
02/11/15	14:00:00	1687.5	84.4	76.3	65.5
02/11/15	15:00:00	1687.3	84.5	80.5	68.1
02/11/15	16:00:00	1687.2	84.7	81.1	68.6
02/11/15	17:00:00	1687.6	84.7	77.8	66.4

**Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly**

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
02/11/15	18:00:00	1687.6	84.5	73.0	64.4
02/11/15	19:00:00	1687.5	84.5	68.5	62.4
02/11/15	20:00:00	1687.6	84.2	64.4	60.6
02/11/15	21:00:00	1687.6	83.9	60.9	59.1
02/11/15	22:00:00	1687.6	83.8	58.1	57.9
02/11/15	23:00:00	1687.6	83.8	55.5	56.7
02/12/15	00:00:00	1687.6	83.6	53.2	55.6
02/12/15	01:00:00	1687.7	83.1	51.3	54.7
02/12/15	02:00:00	1687.7	82.9	49.6	53.9
02/12/15	03:00:00	1687.7	82.9	48.2	53.2
02/12/15	04:00:00	1687.7	82.9	46.9	52.4
02/12/15	05:00:00	1687.6	82.8	45.6	51.7
02/12/15	06:00:00	1687.7	82.6	44.5	51.1
02/12/15	07:00:00	1687.8	82.4	43.6	50.3
02/12/15	08:00:00	1687.8	82.3	43.3	50.1
02/12/15	09:00:00	1687.8	82.8	47.8	51.0
02/12/15	10:00:00	1687.8	82.9	55.0	53.7
02/12/15	11:00:00	1687.8	83.2	62.2	57.2
02/12/15	12:00:00	1687.8	83.4	69.2	61.1
02/12/15	13:00:00	1687.8	83.1	75.1	64.7
02/12/15	14:00:00	1687.7	83.3	80.4	68.2
02/12/15	15:00:00	1687.6	83.1	84.7	71.2
02/12/15	16:00:00	1687.6	83.3	87.8	73.5
02/12/15	17:00:00	1687.4	83.6	88.3	71.2
02/12/15	18:00:00	1687.7	83.9	84.1	68.7
02/12/15	19:00:00	1687.7	83.6	77.5	66.2
02/12/15	20:00:00	1687.6	83.0	71.7	63.9
02/12/15	21:00:00	1687.6	82.9	66.4	61.7
02/12/15	22:00:00	1687.7	82.8	62.0	59.9
02/12/15	23:00:00	1687.7	82.5	58.4	58.3
02/13/15	00:00:00	1687.7	82.3	55.3	56.9
02/13/15	01:00:00	1687.7	82.3	52.7	55.7
02/13/15	02:00:00	1687.7	82.2	50.5	54.7
02/13/15	03:00:00	1687.7	81.8	48.6	53.9
02/13/15	04:00:00	1687.8	81.5	47.0	53.1
02/13/15	05:00:00	1687.8	81.4	45.7	52.3
02/13/15	06:00:00	1687.8	81.4	44.6	51.8
02/13/15	07:00:00	1687.8	81.4	43.8	51.3
02/13/15	08:00:00	1687.8	81.3	43.9	51.1
02/13/15	09:00:00	1687.9	81.4	47.2	51.8
02/13/15	10:00:00	1687.9	82.1	54.8	54.5
02/13/15	11:00:00	1687.8	82.2	62.7	58.3
02/13/15	12:00:00	1687.8	82.2	69.8	62.2
02/13/15	13:00:00	1687.8	82.3	76.5	66.1
02/13/15	14:00:00	1687.6	82.3	82.7	70.0
02/13/15	15:00:00	1687.7	82.3	86.9	72.8
02/13/15	16:00:00	1687.7	82.3	90.0	75.4
02/13/15	17:00:00	1689.0	82.6	89.5	72.9
02/13/15	18:00:00	1689.3	82.9	83.9	69.9
02/13/15	19:00:00	1688.5	82.3	76.9	67.1
02/13/15	20:00:00	1688.3	82.2	70.9	64.5
02/13/15	21:00:00	1688.2	81.9	66.0	62.5
02/13/15	22:00:00	1688.2	81.5	61.5	60.5
02/13/15	23:00:00	1687.9	81.5	58.1	58.9
02/14/15	00:00:00	1687.8	81.4	55.5	57.7
02/14/15	01:00:00	1687.8	81.0	53.1	56.4
02/14/15	02:00:00	1687.8	80.8	51.3	55.4
02/14/15	03:00:00	1687.8	80.8	50.1	54.7
02/14/15	04:00:00	1687.8	80.8	48.7	54.0
02/14/15	05:00:00	1687.8	80.7	47.5	53.2
02/14/15	06:00:00	1687.8	80.5	46.2	52.5
02/14/15	07:00:00	1687.8	80.1	44.7	51.7
02/14/15	08:00:00	1687.8	80.0	43.6	51.2
02/14/15	09:00:00	1688.2	80.4	46.7	51.9
02/14/15	10:00:00	1688.2	80.9	54.9	54.9
02/14/15	11:00:00	1688.4	81.0	59.4	56.9
02/14/15	12:00:00	1687.8	81.2	72.9	64.4
02/14/15	13:00:00	1687.7	81.0	76.4	66.7
02/14/15	14:00:00	1688.2	81.0	81.3	70.3
02/14/15	15:00:00	1692.1	81.3	85.7	73.4
02/14/15	16:00:00	1695.0	81.5	89.0	75.9
02/14/15	17:00:00	1697.1	81.5	90.6	73.6
02/14/15	18:00:00	1696.3	82.0	88.3	71.0
02/14/15	19:00:00	1696.6	81.5	80.7	68.3
02/14/15	20:00:00	1697.3	81.4	73.3	65.5
02/14/15	21:00:00	1698.1	81.1	67.5	63.2
02/14/15	22:00:00	1698.7	81.0	62.9	61.1
02/14/15	23:00:00	1699.4	80.8	58.7	59.3
02/15/15	00:00:00	1699.6	80.4	55.5	57.7
02/15/15	01:00:00	1699.7	80.1	52.8	56.5
02/15/15	02:00:00	1699.7	80.1	50.6	55.4
02/15/15	03:00:00	1698.6	80.0	48.6	54.3
02/15/15	04:00:00	1699.8	79.7	47.0	53.5
02/15/15	05:00:00	1700.8	79.6	45.9	52.9
02/15/15	06:00:00	1701.5	79.4	44.9	52.3
02/15/15	07:00:00	1701.7	79.4	44.8	52.0
02/15/15	08:00:00	1702.4	79.4	44.7	51.7
02/15/15	09:00:00	1702.7	79.7	48.1	52.4
02/15/15	10:00:00	1702.5	80.1	55.8	55.2

**Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly**

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
02/15/15	11:00:00	1702.2	80.1	63.8	58.9
02/15/15	12:00:00	1702.2	80.2	71.0	62.8
02/15/15	13:00:00	1702.3	80.2	77.2	66.4
02/15/15	14:00:00	1701.8	80.4	82.5	69.8
02/15/15	15:00:00	1700.5	80.7	85.7	72.0
02/15/15	16:00:00	1700.8	81.0	85.7	72.1
02/15/15	17:00:00	1701.2	81.0	84.1	70.7
02/15/15	18:00:00	1701.4	81.0	80.3	68.6
02/15/15	19:00:00	1701.5	80.5	75.0	66.3
02/15/15	20:00:00	1702.1	80.2	69.5	63.9
02/15/15	21:00:00	1702.3	80.1	64.7	62.0
02/15/15	22:00:00	1702.6	79.9	60.9	60.3
02/15/15	23:00:00	1702.7	79.4	57.7	58.8
02/16/15	00:00:00	1703.0	79.4	55.0	57.5
02/16/15	01:00:00	1703.0	79.4	52.7	56.4
02/16/15	02:00:00	1703.6	79.3	50.7	55.4
02/16/15	03:00:00	1703.8	79.1	49.1	54.5
02/16/15	04:00:00	1704.1	78.7	47.7	53.7
02/16/15	05:00:00	1704.3	78.7	46.3	53.0
02/16/15	06:00:00	1704.3	78.7	45.3	52.4
02/16/15	07:00:00	1704.3	78.7	44.5	51.8
02/16/15	08:00:00	1704.4	78.6	44.2	51.4
02/16/15	09:00:00	1704.5	78.7	48.5	52.4
02/16/15	10:00:00	1704.5	79.0	56.0	55.2
02/16/15	11:00:00	1704.5	79.3	63.7	59.0
02/16/15	12:00:00	1704.4	79.3	70.3	62.9
02/16/15	13:00:00	1704.0	79.3	75.9	66.6
02/16/15	14:00:00	1703.8	79.3	80.4	69.7
02/16/15	15:00:00	1703.3	79.4	84.7	72.8
02/16/15	16:00:00	1703.1	79.4	87.9	75.4
02/16/15	17:00:00	1703.2	79.6	89.1	73.4
02/16/15	18:00:00	1703.7	80.0	85.6	70.7
02/16/15	19:00:00	1703.8	79.5	79.1	68.0
02/16/15	20:00:00	1703.8	79.4	72.6	65.5
02/16/15	21:00:00	1704.0	79.3	67.1	63.3
02/16/15	22:00:00	1704.3	78.9	62.9	61.4
02/16/15	23:00:00	1704.4	78.7	59.4	59.8
02/17/15	00:00:00	1704.7	78.7	56.7	58.6
02/17/15	01:00:00	1704.7	78.6	54.2	57.3
02/17/15	02:00:00	1705.2	78.3	51.8	56.2
02/17/15	03:00:00	1705.2	78.1	50.0	55.2
02/17/15	04:00:00	1705.3	78.0	48.7	54.3
02/17/15	05:00:00	1705.9	77.9	47.4	53.7
02/17/15	06:00:00	1706.0	78.0	48.1	53.6
02/17/15	07:00:00	1704.1	77.9	49.3	53.7
02/17/15	08:00:00	1701.5	77.8	49.0	53.6
02/17/15	09:00:00	1699.8	77.8	51.2	54.3
02/17/15	10:00:00	1698.7	77.9	53.7	55.6
02/17/15	11:00:00	1697.9	77.9	55.8	56.8
02/17/15	12:00:00	1697.3	77.9	60.2	59.0
02/17/15	13:00:00	1696.7	78.2	66.4	62.2
02/17/15	14:00:00	1696.3	78.0	72.0	65.7
02/17/15	15:00:00	1695.8	78.1	75.7	68.5
02/17/15	16:00:00	1695.6	78.3	76.9	70.2
02/17/15	17:00:00	1695.0	78.3	74.4	67.4
02/17/15	18:00:00	1694.9	78.5	68.2	63.7
02/17/15	19:00:00	1694.9	78.0	60.5	60.4
02/17/15	20:00:00	1694.8	77.9	56.2	58.1
02/17/15	21:00:00	1694.3	77.6	53.9	56.6
02/17/15	22:00:00	1694.2	77.3	52.7	55.5
02/17/15	23:00:00	1694.2	77.2	51.8	54.7
02/18/15	00:00:00	1694.2	77.2	51.2	54.1
02/18/15	01:00:00	1693.8	77.2	50.5	53.6
02/18/15	02:00:00	1693.6	77.1	49.9	53.1
02/18/15	03:00:00	1693.5	76.9	49.3	52.8
02/18/15	04:00:00	1693.5	76.8	48.7	52.4
02/18/15	05:00:00	1693.5	76.6	48.1	52.1
02/18/15	06:00:00	1693.5	76.4	47.5	51.8
02/18/15	07:00:00	1693.5	76.3	46.4	51.3
02/18/15	08:00:00	1693.5	76.3	45.6	51.0
02/18/15	09:00:00	1693.5	76.8	49.5	52.3
02/18/15	10:00:00	1693.5	77.1	56.8	55.4
02/18/15	11:00:00	1693.4	77.1	61.3	57.9
02/18/15	12:00:00	1693.3	77.1	62.3	58.8
02/18/15	13:00:00	1693.1	77.1	62.6	59.4
02/18/15	14:00:00	1693.0	77.2	63.8	60.4
02/18/15	15:00:00	1692.8	76.4	69.3	64.1
02/18/15	16:00:00	1692.7	76.9	74.8	67.2
02/18/15	17:00:00	1692.8	77.2	77.1	66.3
02/18/15	18:00:00	1692.7	77.3	74.9	64.3
02/18/15	19:00:00	1692.7	77.2	69.9	62.3
02/18/15	20:00:00	1692.7	77.1	65.0	60.4
02/18/15	21:00:00	1692.7	76.7	60.9	58.8
02/18/15	22:00:00	1692.7	76.3	57.2	57.1
02/18/15	23:00:00	1693.7	76.3	53.8	55.6
02/19/15	00:00:00	1696.1	76.3	50.8	54.4
02/19/15	01:00:00	1697.8	76.3	48.8	53.6
02/19/15	02:00:00	1696.5	76.0	47.1	52.8
02/19/15	03:00:00	1695.4	75.8	46.7	52.8

**Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly**

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
02/19/15	04:00:00	1694.8	75.8	47.6	53.0
02/19/15	05:00:00	1696.6	75.8	48.5	53.1
02/19/15	06:00:00	1698.3	75.9	48.8	53.1
02/19/15	07:00:00	1699.5	75.8	49.0	53.2
02/19/15	08:00:00	1700.5	75.8	49.5	53.5
02/19/15	09:00:00	1701.1	75.8	50.8	53.9
02/19/15	10:00:00	1701.5	75.8	52.6	54.7
02/19/15	11:00:00	1702.1	75.9	54.3	55.5
02/19/15	12:00:00	1702.5	76.0	55.3	56.2
02/19/15	13:00:00	1702.9	76.0	56.4	56.8
02/19/15	14:00:00	1703.0	76.2	57.7	57.4
02/19/15	15:00:00	1703.3	76.1	58.1	57.7
02/19/15	16:00:00	1703.8	76.2	58.4	57.9
02/19/15	17:00:00	1703.8	76.1	58.2	57.8
02/19/15	18:00:00	1703.9	75.9	57.5	57.5
02/19/15	19:00:00	1704.1	75.8	56.8	57.2
02/19/15	20:00:00	1704.4	75.8	55.9	56.8
02/19/15	21:00:00	1704.4	75.8	55.2	56.6
02/19/15	22:00:00	1704.4	75.8	54.8	56.4
02/19/15	23:00:00	1704.7	75.8	54.3	56.1
02/20/15	00:00:00	1705.1	75.8	54.0	56.0
02/20/15	01:00:00	1705.2	75.8	53.8	55.9
02/20/15	02:00:00	1705.2	75.7	53.6	55.7
02/20/15	03:00:00	1705.2	75.7	53.4	55.5
02/20/15	04:00:00	1705.2	75.8	53.2	55.4
02/20/15	05:00:00	1705.8	75.5	53.0	55.3
02/20/15	06:00:00	1705.9	75.4	52.9	55.1
02/20/15	07:00:00	1706.0	75.3	52.6	54.8
02/20/15	08:00:00	1706.0	75.1	51.8	54.3
02/20/15	09:00:00	1706.0	75.0	51.7	54.4
02/20/15	10:00:00	1706.0	75.0	52.3	54.7
02/20/15	11:00:00	1705.0	74.9	53.0	55.0
02/20/15	12:00:00	1702.5	74.9	54.3	55.8
02/20/15	13:00:00	1700.7	74.9	61.0	59.3
02/20/15	14:00:00	1699.7	75.0	68.1	63.0
02/20/15	15:00:00	1698.9	74.9	74.4	66.9
02/20/15	16:00:00	1698.9	75.1	78.3	70.0
02/20/15	17:00:00	1701.0	75.5	77.9	67.9
02/20/15	18:00:00	1702.5	75.8	74.0	64.9
02/20/15	19:00:00	1700.8	75.7	66.5	62.1
02/20/15	20:00:00	1701.0	75.4	59.7	59.5
02/20/15	21:00:00	1702.6	75.0	55.1	57.4
02/20/15	22:00:00	1703.8	74.9	52.3	55.8
02/20/15	23:00:00	1704.6	74.9	50.3	54.6
02/21/15	00:00:00	1705.2	74.8	49.0	53.6
02/21/15	01:00:00	1705.8	74.7	48.4	53.0
02/21/15	02:00:00	1706.0	74.7	49.2	53.1
02/21/15	03:00:00	1706.4	74.5	49.5	53.2
02/21/15	04:00:00	1706.7	74.4	49.7	53.4
02/21/15	05:00:00	1706.7	74.4	49.8	53.5
02/21/15	06:00:00	1707.0	74.4	49.8	53.5
02/21/15	07:00:00	1707.4	74.4	49.8	53.4
02/21/15	08:00:00	1707.4	74.3	49.8	53.4
02/21/15	09:00:00	1707.4	74.3	50.0	53.5
02/21/15	10:00:00	1707.5	74.3	50.8	53.9
02/21/15	11:00:00	1707.8	74.3	52.3	54.6
02/21/15	12:00:00	1707.8	74.4	54.3	55.6
02/21/15	13:00:00	1708.0	74.4	57.2	57.1
02/21/15	14:00:00	1707.8	74.4	63.3	60.3
02/21/15	15:00:00	1707.4	74.4	69.5	64.2
02/21/15	16:00:00	1707.4	74.4	73.7	67.4
02/21/15	17:00:00	1707.4	74.6	74.8	66.0
02/21/15	18:00:00	1707.4	74.9	71.2	63.3
02/21/15	19:00:00	1707.5	74.9	63.9	60.7
02/21/15	20:00:00	1707.8	74.6	57.8	58.3
02/21/15	21:00:00	1707.9	74.4	53.9	56.5
02/21/15	22:00:00	1708.1	74.4	50.7	54.9
02/21/15	23:00:00	1708.1	74.2	48.5	53.6
02/22/15	00:00:00	1708.2	74.1	46.9	52.9
02/22/15	01:00:00	1708.1	73.8	46.6	52.8
02/22/15	02:00:00	1708.2	73.8	47.2	52.7
02/22/15	03:00:00	1708.2	73.7	47.7	52.8
02/22/15	04:00:00	1708.2	73.5	48.0	52.8
02/22/15	05:00:00	1708.2	73.6	47.3	52.0
02/22/15	06:00:00	1708.3	73.5	45.8	51.1
02/22/15	07:00:00	1708.5	73.5	44.4	50.3
02/22/15	08:00:00	1708.9	73.5	44.0	49.7
02/22/15	09:00:00	1708.9	73.8	47.7	50.8
02/22/15	10:00:00	1708.9	74.3	54.1	53.7
02/22/15	11:00:00	1709.0	74.4	60.0	56.7
02/22/15	12:00:00	1708.9	74.4	64.8	59.9
02/22/15	13:00:00	1708.9	74.4	69.3	63.1
02/22/15	14:00:00	1708.8	74.3	72.7	65.9
02/22/15	15:00:00	1708.8	74.3	73.8	67.8
02/22/15	16:00:00	1708.9	74.2	74.1	69.2
02/22/15	17:00:00	1709.0	74.3	72.4	66.2
02/22/15	18:00:00	1709.0	74.4	67.8	62.4
02/22/15	19:00:00	1709.3	74.3	61.1	59.4
02/22/15	20:00:00	1709.5	74.0	56.8	57.1

**Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly**

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
02/22/15	21:00:00	1709.6	73.5	53.3	55.2
02/22/15	22:00:00	1709.7	73.4	50.4	53.7
02/22/15	23:00:00	1709.7	73.4	48.4	52.4
02/23/15	00:00:00	1710.2	73.3	48.0	51.7
02/23/15	01:00:00	1710.4	73.2	48.0	51.2
02/23/15	02:00:00	1710.4	72.9	47.5	50.6
02/23/15	03:00:00	1710.4	72.9	46.3	49.8
02/23/15	04:00:00	1710.4	72.9	45.2	49.1
02/23/15	05:00:00	1710.4	72.9	43.8	48.5
02/23/15	06:00:00	1710.5	72.9	42.2	47.9
02/23/15	07:00:00	1710.5	72.7	40.9	47.2
02/23/15	08:00:00	1710.8	72.5	40.5	46.8
02/23/15	09:00:00	1711.0	72.9	43.8	48.4
02/23/15	10:00:00	1711.0	72.9	50.6	51.5
02/23/15	11:00:00	1711.0	73.2	57.2	54.9
02/23/15	12:00:00	1710.7	73.3	62.3	57.8
02/23/15	13:00:00	1710.5	73.3	67.2	61.2
02/23/15	14:00:00	1710.5	73.3	72.0	64.5
02/23/15	15:00:00	1710.7	73.4	74.4	67.2
02/23/15	16:00:00	1712.4	73.4	74.8	68.9
02/23/15	17:00:00	1713.8	73.4	72.9	65.8
02/23/15	18:00:00	1715.1	73.7	68.7	61.8
02/23/15	19:00:00	1715.8	73.5	61.2	58.6
02/23/15	20:00:00	1715.8	73.2	55.7	56.3
02/23/15	21:00:00	1715.1	72.9	51.7	54.3
02/23/15	22:00:00	1716.0	72.9	48.5	52.5
02/23/15	23:00:00	1716.6	72.8	45.5	51.2
02/24/15	00:00:00	1717.1	72.7	42.8	49.6
02/24/15	01:00:00	1717.5	72.2	40.2	48.2
02/24/15	02:00:00	1717.6	72.0	38.3	47.2
02/24/15	03:00:00	1717.6	72.0	36.7	46.2
02/24/15	04:00:00	1717.6	72.0	35.3	45.4
02/24/15	05:00:00	1717.7	71.9	34.0	44.6
02/24/15	06:00:00	1718.3	71.7	33.2	43.9
02/24/15	07:00:00	1718.5	71.5	33.0	43.4
02/24/15	08:00:00	1718.9	71.8	34.3	43.5
02/24/15	09:00:00	1719.1	72.1	41.0	45.9
02/24/15	10:00:00	1719.1	72.8	49.3	49.9
02/24/15	11:00:00	1719.1	72.9	56.9	53.8
02/24/15	12:00:00	1719.1	72.9	63.3	57.5
02/24/15	13:00:00	1719.1	73.0	69.3	61.3
02/24/15	14:00:00	1720.6	72.9	75.5	65.1
02/24/15	15:00:00	1721.7	72.9	81.1	69.0
02/24/15	16:00:00	1722.6	73.0	84.7	72.4
02/24/15	17:00:00	1723.2	73.2	86.2	70.6
02/24/15	18:00:00	1723.9	73.4	81.6	66.8
02/24/15	19:00:00	1723.9	73.4	73.2	63.6
02/24/15	20:00:00	1724.6	73.1	66.3	60.7
02/24/15	21:00:00	1725.1	72.9	60.3	58.2
02/24/15	22:00:00	1725.4	72.8	55.4	56.0
02/24/15	23:00:00	1725.8	72.6	51.4	54.1
02/25/15	00:00:00	1725.8	72.2	47.7	52.4
02/25/15	01:00:00	1726.4	72.0	44.4	51.0
02/25/15	02:00:00	1726.6	72.0	42.3	49.9
02/25/15	03:00:00	1727.0	71.9	40.3	48.7
02/25/15	04:00:00	1727.2	71.7	38.7	47.8
02/25/15	05:00:00	1727.2	71.6	37.7	47.2
02/25/15	06:00:00	1727.2	71.4	36.6	46.4
02/25/15	07:00:00	1728.0	71.3	35.5	45.7
02/25/15	08:00:00	1728.2	71.6	36.1	45.6
02/25/15	09:00:00	1728.7	72.0	42.4	47.7
02/25/15	10:00:00	1728.8	72.5	50.6	51.4
02/25/15	11:00:00	1727.7	72.8	57.6	54.9
02/25/15	12:00:00	1726.5	72.7	64.2	58.4
02/25/15	13:00:00	1725.6	72.9	70.7	62.4
02/25/15	14:00:00	1721.9	72.7	76.4	66.2
02/25/15	15:00:00	1719.3	73.0	79.2	68.1
02/25/15	16:00:00	1717.5	72.7	78.7	69.4
02/25/15	17:00:00	1716.1	72.9	78.8	68.6
02/25/15	18:00:00	1716.7	72.9	74.7	65.5
02/25/15	19:00:00	1719.3	72.9	69.6	62.9
02/25/15	20:00:00	1722.8	72.9	64.1	60.5
02/25/15	21:00:00	1725.1	72.5	59.8	58.4
02/25/15	22:00:00	1726.4	72.1	55.9	56.7
02/25/15	23:00:00	1727.2	72.0	52.6	55.1
02/26/15	00:00:00	1728.1	72.0	50.0	53.8
02/26/15	01:00:00	1728.8	71.9	47.7	52.7
02/26/15	02:00:00	1729.5	71.7	45.8	51.8
02/26/15	03:00:00	1729.9	71.6	44.2	51.0
02/26/15	04:00:00	1730.4	71.4	43.0	50.1
02/26/15	05:00:00	1730.8	71.3	41.8	49.5
02/26/15	06:00:00	1731.1	71.3	40.9	48.9
02/26/15	07:00:00	1731.8	71.3	40.0	48.4
02/26/15	08:00:00	1732.1	71.4	40.8	48.3
02/26/15	09:00:00	1732.3	71.9	46.3	50.2
02/26/15	10:00:00	1732.5	72.1	53.8	53.7
02/26/15	11:00:00	1732.4	72.4	61.0	57.3
02/26/15	12:00:00	1732.5	72.2	67.2	61.3
02/26/15	13:00:00	1732.3	72.4	72.4	64.8

**Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly**

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
02/26/15	14:00:00	1732.1	72.4	77.2	68.1
02/26/15	15:00:00	1728.3	72.2	80.9	71.6
02/26/15	16:00:00	1724.7	72.3	82.6	74.3
02/26/15	17:00:00	1722.5	72.7	82.1	72.0
02/26/15	18:00:00	1722.4	72.9	77.8	68.6
02/26/15	19:00:00	1726.0	72.9	70.2	65.3
02/26/15	20:00:00	1728.4	72.4	64.4	62.6
02/26/15	21:00:00	1729.9	72.2	61.0	60.6
02/26/15	22:00:00	1730.9	72.0	59.0	59.3
02/26/15	23:00:00	1731.6	72.0	57.3	58.1
02/27/15	00:00:00	1732.3	72.0	56.1	57.2
02/27/15	01:00:00	1732.8	71.9	54.8	56.3
02/27/15	02:00:00	1733.2	71.6	53.4	55.4
02/27/15	03:00:00	1733.5	71.5	52.5	54.8
02/27/15	04:00:00	1733.8	71.4	51.7	54.2
02/27/15	05:00:00	1734.4	71.3	51.4	53.9
02/27/15	06:00:00	1734.6	71.3	51.4	53.7
02/27/15	07:00:00	1734.4	71.3	51.4	53.4
02/27/15	08:00:00	1733.8	71.7	53.0	53.8
02/27/15	09:00:00	1734.6	72.0	58.2	56.1
02/27/15	10:00:00	1735.1	72.2	62.9	59.1
02/27/15	11:00:00	1735.2	72.4	66.3	62.0
02/27/15	12:00:00	1735.2	72.4	69.1	64.5
02/27/15	13:00:00	1735.4	72.1	72.0	67.0
02/27/15	14:00:00	1736.0	72.3	74.5	68.9
02/27/15	15:00:00	1736.0	72.1	75.4	70.6
02/27/15	16:00:00	1736.1	72.1	75.5	72.1
02/27/15	17:00:00	1736.8	72.1	73.1	68.7
02/27/15	18:00:00	1736.9	72.3	68.3	64.4
02/27/15	19:00:00	1737.1	72.1	61.1	61.0
02/27/15	20:00:00	1737.5	71.8	56.6	58.4
02/27/15	21:00:00	1737.9	71.5	54.3	56.7
02/27/15	22:00:00	1738.3	71.3	52.9	55.6
02/27/15	23:00:00	1738.4	71.3	51.6	54.5
02/28/15	00:00:00	1738.8	71.3	50.4	53.8
02/28/15	01:00:00	1738.9	71.3	50.3	53.6
02/28/15	02:00:00	1738.9	71.3	50.4	53.5
02/28/15	03:00:00	1738.6	71.2	50.1	53.1
02/28/15	04:00:00	1738.9	71.1	49.7	52.8
02/28/15	05:00:00	1739.2	71.0	49.6	52.7
02/28/15	06:00:00	1739.8	70.9	48.5	52.3
02/28/15	07:00:00	1739.8	70.8	47.4	51.8
02/28/15	08:00:00	1739.8	70.6	46.9	51.6
02/28/15	09:00:00	1740.1	70.7	48.3	52.4
02/28/15	10:00:00	1740.2	71.0	51.4	53.8
02/28/15	11:00:00	1740.4	71.3	57.1	56.4
02/28/15	12:00:00	1740.5	71.4	64.2	60.2
02/28/15	13:00:00	1741.2	71.6	70.2	63.9
02/28/15	14:00:00	1741.4	71.9	71.8	64.8
02/28/15	15:00:00	1741.8	71.5	70.8	65.2
02/28/15	16:00:00	1741.8	71.4	75.3	68.8
02/28/15	17:00:00	1742.4	71.9	73.9	66.2
02/28/15	18:00:00	1742.7	71.9	68.2	63.5
02/28/15	19:00:00	1742.9	71.4	61.5	60.7
02/28/15	20:00:00	1743.1	71.3	57.9	58.7
02/28/15	21:00:00	1743.2	71.3	54.8	57.1
02/28/15	22:00:00	1743.2	71.2	52.2	55.6
02/28/15	23:00:00	1743.3	70.9	49.9	54.4
03/01/15	00:00:00	1743.2	70.7	47.7	53.2
03/01/15	01:00:00	1743.8	70.6	45.7	52.0
03/01/15	02:00:00	1743.2	70.6	44.1	51.2
03/01/15	03:00:00	1741.8	70.6	42.9	50.4
03/01/15	04:00:00	1741.2	70.5	41.6	49.8
03/01/15	05:00:00	1741.0	70.4	41.4	49.6
03/01/15	06:00:00	1740.3	70.3	40.7	49.0
03/01/15	07:00:00	1740.3	70.1	39.5	48.2
03/01/15	08:00:00	1740.4	70.4	40.6	48.1
03/01/15	09:00:00	1741.3	70.8	47.4	50.5
03/01/15	10:00:00	1742.5	71.3	54.5	53.9
03/01/15	11:00:00	1742.7	71.3	60.3	57.0
03/01/15	12:00:00	1743.0	71.3	66.0	60.3
03/01/15	13:00:00	1743.2	71.3	71.3	63.6
03/01/15	14:00:00	1743.2	71.3	75.9	66.7
03/01/15	15:00:00	1743.9	71.4	79.5	69.9
03/01/15	16:00:00	1744.1	71.4	82.6	73.0
03/01/15	17:00:00	1744.1	71.3	84.2	71.5
03/01/15	18:00:00	1744.8	71.8	82.2	68.2
03/01/15	19:00:00	1745.2	71.8	74.8	65.3
03/01/15	20:00:00	1745.5	71.4	67.2	62.5
03/01/15	21:00:00	1745.5	71.3	60.7	59.9
03/01/15	22:00:00	1746.0	71.1	56.3	57.9
03/01/15	23:00:00	1746.4	70.8	53.0	56.2
03/02/15	00:00:00	1746.4	70.6	50.3	54.7
03/02/15	01:00:00	1746.9	70.6	48.2	53.7
03/02/15	02:00:00	1746.9	70.7	46.3	52.5
03/02/15	03:00:00	1746.9	70.6	45.5	51.9
03/02/15	04:00:00	1747.4	70.5	45.4	51.6
03/02/15	05:00:00	1747.8	70.5	45.1	51.2

**Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly**

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
03/02/15	06:00:00	1747.8	70.4	45.4	51.0
03/02/15	07:00:00	1747.9	70.2	45.5	50.7
03/02/15	08:00:00	1748.4	70.1	46.1	50.7
03/02/15	09:00:00	1748.4	70.5	48.6	51.9
03/02/15	10:00:00	1748.5	70.6	54.2	54.6
03/02/15	11:00:00	1748.6	70.6	60.5	57.9
03/02/15	12:00:00	1749.1	70.7	65.6	61.1
03/02/15	13:00:00	1749.2	70.9	70.4	64.3
03/02/15	14:00:00	1749.1	70.8	74.4	66.9
03/02/15	15:00:00	1747.4	71.1	77.9	69.1
03/02/15	16:00:00	1746.6	71.6	73.5	66.5
03/02/15	17:00:00	1747.7	71.3	65.0	62.8
03/02/15	18:00:00	1748.4	71.2	61.4	60.7
03/02/15	19:00:00	1748.7	70.8	57.7	58.6
03/02/15	20:00:00	1749.3	70.6	54.2	56.8
03/02/15	21:00:00	1749.4	70.5	51.8	55.5
03/02/15	22:00:00	1749.9	70.5	49.5	54.2
03/02/15	23:00:00	1749.9	70.3	47.4	53.0
03/03/15	00:00:00	1749.9	70.1	45.7	52.1
03/03/15	01:00:00	1750.7	69.7	44.1	51.3
03/03/15	02:00:00	1750.7	69.7	42.6	50.3
03/03/15	03:00:00	1750.9	69.7	41.4	49.6
03/03/15	04:00:00	1750.9	69.7	40.4	48.9
03/03/15	05:00:00	1751.5	69.7	39.8	48.3
03/03/15	06:00:00	1751.6	69.7	39.4	47.9
03/03/15	07:00:00	1751.2	69.6	38.8	47.4
03/03/15	08:00:00	1750.2	69.7	40.0	47.3
03/03/15	09:00:00	1746.2	69.9	46.4	49.7
03/03/15	10:00:00	1744.0	70.5	53.8	53.4
03/03/15	11:00:00	1742.2	70.5	60.5	56.9
03/03/15	12:00:00	1741.0	70.5	65.8	60.4
03/03/15	13:00:00	1740.1	70.5	70.2	63.8
03/03/15	14:00:00	1739.1	70.5	74.3	66.9
03/03/15	15:00:00	1738.3	70.5	77.0	69.8
03/03/15	16:00:00	1737.5	70.5	78.6	72.2
03/03/15	17:00:00	1737.2	70.9	76.3	69.3
03/03/15	18:00:00	1739.3	71.2	71.3	65.7
03/03/15	19:00:00	1741.1	70.8	65.7	62.8
03/03/15	20:00:00	1743.4	70.6	61.1	60.5
03/03/15	21:00:00	1744.7	70.6	57.0	58.4
03/03/15	22:00:00	1745.8	70.4	53.4	56.5
03/03/15	23:00:00	1746.5	70.0	50.8	54.9
03/04/15	00:00:00	1747.1	69.7	48.6	53.6
03/04/15	01:00:00	1747.8	69.7	47.0	52.7
03/04/15	02:00:00	1748.3	69.7	45.3	51.9
03/04/15	03:00:00	1748.4	69.7	43.5	50.9
03/04/15	04:00:00	1749.0	69.6	41.7	49.9
03/04/15	05:00:00	1749.6	69.5	39.9	48.9
03/04/15	06:00:00	1749.8	69.3	38.5	47.9
03/04/15	07:00:00	1750.6	69.2	37.5	47.2
03/04/15	08:00:00	1751.3	69.6	38.8	47.3
03/04/15	09:00:00	1751.6	69.7	46.1	49.8
03/04/15	10:00:00	1752.0	70.4	54.5	53.6
03/04/15	11:00:00	1752.1	70.6	61.2	57.2
03/04/15	12:00:00	1752.1	70.6	67.1	60.8
03/04/15	13:00:00	1752.1	70.6	73.0	64.5
03/04/15	14:00:00	1752.2	70.6	78.0	68.0
03/04/15	15:00:00	1752.3	70.6	82.0	71.4
03/04/15	16:00:00	1753.0	70.6	85.4	74.7
03/04/15	17:00:00	1753.0	70.6	87.1	73.3
03/04/15	18:00:00	1753.3	71.0	85.5	69.5
03/04/15	19:00:00	1753.6	71.1	78.7	66.5
03/04/15	20:00:00	1754.0	70.6	71.7	63.6
03/04/15	21:00:00	1754.5	70.6	65.0	61.0
03/04/15	22:00:00	1754.5	70.3	59.4	58.6
03/04/15	23:00:00	1754.7	69.9	55.0	56.7
03/05/15	00:00:00	1754.9	69.7	51.4	54.9
03/05/15	01:00:00	1755.1	69.7	48.2	53.4
03/05/15	02:00:00	1755.1	69.7	45.3	52.1
03/05/15	03:00:00	1755.3	69.5	43.0	50.9
03/05/15	04:00:00	1755.9	69.3	41.2	50.0
03/05/15	05:00:00	1755.9	69.2	39.7	49.1
03/05/15	06:00:00	1755.9	69.1	38.4	48.3
03/05/15	07:00:00	1756.2	69.1	37.4	47.6
03/05/15	08:00:00	1756.5	69.3	39.3	47.8
03/05/15	09:00:00	1757.0	69.7	46.7	50.5
03/05/15	10:00:00	1757.2	70.4	55.6	54.4
03/05/15	11:00:00	1757.3	70.5	63.5	58.2
03/05/15	12:00:00	1757.3	70.5	70.5	62.3
03/05/15	13:00:00	1757.1	70.5	76.7	66.2
03/05/15	14:00:00	1756.9	70.5	82.4	69.8
03/05/15	15:00:00	1757.0	70.5	86.8	73.5
03/05/15	16:00:00	1757.3	70.6	89.2	76.6
03/05/15	17:00:00	1757.5	70.6	89.2	74.9
03/05/15	18:00:00	1758.0	71.0	85.7	70.7
03/05/15	19:00:00	1758.3	71.0	78.0	67.5
03/05/15	20:00:00	1758.7	70.6	71.0	64.6
03/05/15	21:00:00	1758.8	70.5	64.9	61.9
03/05/15	22:00:00	1758.8	70.1	59.9	59.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
03/05/15	23:00:00	1758.8	69.7	55.7	57.6
03/06/15	00:00:00	1759.0	69.7	52.3	56.0
03/06/15	01:00:00	1759.4	69.8	49.4	54.5
03/06/15	02:00:00	1759.6	69.6	46.9	53.3
03/06/15	03:00:00	1759.6	69.5	45.0	52.2
03/06/15	04:00:00	1759.7	69.3	43.1	51.2
03/06/15	05:00:00	1760.0	69.2	41.5	50.3
03/06/15	06:00:00	1760.2	69.2	40.3	49.6
03/06/15	07:00:00	1760.2	69.2	39.3	49.0
03/06/15	08:00:00	1760.9	69.4	41.2	49.1
03/06/15	09:00:00	1761.0	69.8	48.3	51.5
03/06/15	10:00:00	1761.1	70.1	56.8	55.2
03/06/15	11:00:00	1761.1	70.3	64.8	59.2
03/06/15	12:00:00	1760.5	70.4	71.5	63.6
03/06/15	13:00:00	1760.7	70.3	77.6	67.6
03/06/15	14:00:00	1760.9	70.5	83.2	71.3
03/06/15	15:00:00	1761.1	70.5	86.9	74.9
03/06/15	16:00:00	1761.1	70.5	89.0	78.1
03/06/15	17:00:00	1761.3	70.6	89.7	76.7
03/06/15	18:00:00	1761.6	71.0	86.8	72.6
03/06/15	19:00:00	1761.7	70.9	77.6	69.0
03/06/15	20:00:00	1761.8	70.6	71.0	65.9
03/06/15	21:00:00	1762.3	70.5	65.4	63.3
03/06/15	22:00:00	1762.5	70.1	61.0	61.1
03/06/15	23:00:00	1762.5	69.8	57.2	59.0
03/07/15	00:00:00	1762.5	69.7	53.7	57.3
03/07/15	01:00:00	1762.6	69.7	50.8	55.8
03/07/15	02:00:00	1762.8	69.6	48.8	54.6
03/07/15	03:00:00	1763.1	69.3	47.4	53.6
03/07/15	04:00:00	1763.0	69.2	45.9	52.7
03/07/15	05:00:00	1763.0	69.2	44.7	52.0
03/07/15	06:00:00	1763.2	69.2	43.4	51.3
03/07/15	07:00:00	1763.4	69.2	42.3	50.6
03/07/15	08:00:00	1763.9	69.3	44.1	50.8
03/07/15	09:00:00	1764.0	69.7	51.2	53.5
03/07/15	10:00:00	1764.2	69.7	59.8	57.3
03/07/15	11:00:00	1764.1	70.0	68.1	61.4
03/07/15	12:00:00	1764.1	70.4	75.4	65.6
03/07/15	13:00:00	1764.5	70.6	81.8	69.4
03/07/15	14:00:00	1764.6	70.6	87.6	73.0
03/07/15	15:00:00	1764.5	70.6	92.1	76.7
03/07/15	16:00:00	1764.6	70.6	95.0	79.9
03/07/15	17:00:00	1764.6	70.7	96.5	78.7
03/07/15	18:00:00	1765.1	71.1	94.0	74.8
03/07/15	19:00:00	1765.3	71.1	85.6	71.5
03/07/15	20:00:00	1765.3	70.6	77.9	68.4
03/07/15	21:00:00	1765.4	70.5	72.1	65.8
03/07/15	22:00:00	1765.6	70.2	66.7	63.5
03/07/15	23:00:00	1765.9	69.8	62.2	61.4
03/08/15	00:00:00	1766.0	69.7	58.3	59.5
03/08/15	01:00:00	1766.1	69.7	54.7	57.9
03/08/15	02:00:00	(1)	(1)	(1)	(1)
03/08/15	03:00:00	1766.1	69.6	52.2	56.6
03/08/15	04:00:00	1766.1	69.3	50.0	55.4
03/08/15	05:00:00	1766.2	69.1	48.1	54.4
03/08/15	06:00:00	1766.8	69.1	46.5	53.5
03/08/15	07:00:00	1766.8	69.1	45.0	52.6
03/08/15	08:00:00	1766.8	69.1	43.4	51.8
03/08/15	09:00:00	1767.5	69.2	44.6	51.7
03/08/15	10:00:00	1767.7	69.6	51.1	54.0
03/08/15	11:00:00	1767.7	69.7	59.5	57.8
03/08/15	12:00:00	1767.7	70.0	67.6	61.9
03/08/15	13:00:00	1767.7	70.4	74.8	66.0
03/08/15	14:00:00	1767.7	70.4	80.8	70.0
03/08/15	15:00:00	1767.7	70.5	86.0	73.6
03/08/15	16:00:00	1767.7	70.6	90.5	77.3
03/08/15	17:00:00	1767.7	70.6	92.7	80.6
03/08/15	18:00:00	1768.0	70.7	92.2	79.0
03/08/15	19:00:00	1768.2	71.0	88.5	74.8
03/08/15	20:00:00	1768.2	70.8	81.5	71.5
03/08/15	21:00:00	1768.3	70.6	75.0	68.6
03/08/15	22:00:00	1768.6	70.5	69.0	65.9
03/08/15	23:00:00	1769.1	70.1	64.4	63.7
03/09/15	00:00:00	1769.1	69.8	60.8	61.9
03/09/15	01:00:00	1769.1	69.7	57.5	60.1
03/09/15	02:00:00	1769.1	69.7	54.8	58.6
03/09/15	03:00:00	1769.1	69.6	52.6	57.4
03/09/15	04:00:00	1769.6	69.4	50.7	56.2
03/09/15	05:00:00	1769.7	69.2	49.5	55.3
03/09/15	06:00:00	1769.7	69.1	48.3	54.5
03/09/15	07:00:00	1769.7	69.1	46.9	53.7
03/09/15	08:00:00	1770.1	69.1	45.6	53.1
03/09/15	09:00:00	1770.6	69.2	47.4	53.3
03/09/15	10:00:00	1770.7	69.6	54.6	55.9
03/09/15	11:00:00	1770.7	69.8	62.5	59.5
03/09/15	12:00:00	1770.7	70.1	69.7	63.5
03/09/15	13:00:00	1770.6	70.3	76.3	67.4
03/09/15	14:00:00	1770.6	70.4	82.5	71.2
03/09/15	15:00:00	1770.6	70.5	88.0	74.7

**Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly**

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
03/09/15	16:00:00	1770.6	70.5	91.9	78.2
03/09/15	17:00:00	1770.7	70.6	95.1	81.4
03/09/15	18:00:00	1771.0	70.6	96.7	80.2
03/09/15	19:00:00	1771.1	71.0	94.6	76.5
03/09/15	20:00:00	1771.1	70.9	87.1	73.3
03/09/15	21:00:00	1771.1	70.6	79.9	70.2
03/09/15	22:00:00	1771.5	70.5	73.2	67.4
03/09/15	23:00:00	1771.9	70.0	67.5	64.9
03/10/15	00:00:00	1771.9	69.8	63.1	62.8
03/10/15	01:00:00	1772.0	69.7	59.5	61.1
03/10/15	02:00:00	1772.3	69.7	56.3	59.6
03/10/15	03:00:00	1772.4	69.5	53.9	58.3
03/10/15	04:00:00	1772.0	69.4	51.9	57.2
03/10/15	05:00:00	1771.9	69.3	50.1	56.2
03/10/15	06:00:00	1772.0	69.2	48.8	55.4
03/10/15	07:00:00	1772.0	69.2	47.7	54.7
03/10/15	08:00:00	1772.5	69.1	46.8	54.2
03/10/15	09:00:00	1771.1	69.1	47.5	54.4
03/10/15	10:00:00	1771.8	69.2	52.6	56.3
03/10/15	11:00:00	1772.6	69.6	59.8	59.3
03/10/15	12:00:00	1772.7	69.7	68.5	63.4
03/10/15	13:00:00	1772.7	69.7	74.9	67.0
03/10/15	14:00:00	1772.7	69.9	80.3	70.1
03/10/15	15:00:00	1772.7	70.4	85.8	73.3
03/10/15	16:00:00	1773.1	70.7	84.8	73.5
03/10/15	17:00:00	1773.4	70.6	81.0	72.4
03/10/15	18:00:00	1773.4	70.5	78.3	71.3
03/10/15	19:00:00	1773.8	70.5	75.4	69.6
03/10/15	20:00:00	1774.9	70.4	72.0	67.9
03/10/15	21:00:00	1774.8	70.0	68.8	66.3
03/10/15	22:00:00	1774.5	69.8	66.0	64.8
03/10/15	23:00:00	1773.3	69.7	63.4	63.5
03/11/15	00:00:00	1773.0	69.7	61.0	62.1
03/11/15	01:00:00	1774.4	69.7	59.2	61.1
03/11/15	02:00:00	1774.8	69.7	57.9	60.2
03/11/15	03:00:00	1774.8	69.5	57.2	59.7
03/11/15	04:00:00	1775.0	69.6	56.9	59.3
03/11/15	05:00:00	1775.7	69.5	56.2	58.8
03/11/15	06:00:00	1775.6	69.3	55.3	58.2
03/11/15	07:00:00	1775.5	69.2	54.7	58.0
03/11/15	08:00:00	1775.2	69.2	54.4	57.6
03/11/15	09:00:00	1774.8	69.2	54.3	57.4
03/11/15	10:00:00	1775.6	69.2	54.6	57.5
03/11/15	11:00:00	1775.9	69.1	55.6	57.6
03/11/15	12:00:00	1776.8	69.2	57.1	58.4
03/11/15	13:00:00	1776.3	69.3	60.2	59.8
03/11/15	14:00:00	1776.4	69.5	62.8	60.8
03/11/15	15:00:00	1777.4	69.6	65.9	62.3
03/11/15	16:00:00	1777.7	69.7	69.2	64.1
03/11/15	17:00:00	1777.6	69.7	71.2	64.9
03/11/15	18:00:00	1777.4	69.7	69.8	64.7
03/11/15	19:00:00	1777.6	69.6	68.7	64.1
03/11/15	20:00:00	1777.7	69.7	66.4	62.8
03/11/15	21:00:00	1777.7	69.6	63.0	61.4
03/11/15	22:00:00	1777.7	69.4	60.0	60.1
03/11/15	23:00:00	1777.7	69.2	57.5	59.0
03/12/15	00:00:00	1777.7	69.2	55.5	58.0
03/12/15	01:00:00	1777.9	69.1	53.7	57.1
03/12/15	02:00:00	1778.3	69.1	52.1	56.2
03/12/15	03:00:00	1778.5	69.1	50.8	55.5
03/12/15	04:00:00	1778.5	69.1	49.7	54.7
03/12/15	05:00:00	1778.5	69.0	48.8	54.0
03/12/15	06:00:00	1778.5	68.9	48.2	53.6
03/12/15	07:00:00	1779.0	68.6	47.2	53.0
03/12/15	08:00:00	1779.3	68.5	47.0	52.5
03/12/15	09:00:00	1779.3	69.1	50.3	53.3
03/12/15	10:00:00	1779.4	69.4	56.8	56.1
03/12/15	11:00:00	1779.4	69.7	63.5	59.7
03/12/15	12:00:00	1779.3	69.7	68.6	63.2
03/12/15	13:00:00	1779.4	69.8	73.0	66.5
03/12/15	14:00:00	1779.3	69.8	77.5	69.6
03/12/15	15:00:00	1779.3	69.7	81.5	72.4
03/12/15	16:00:00	1779.6	69.8	85.1	75.2
03/12/15	17:00:00	1779.7	70.0	85.7	76.3
03/12/15	18:00:00	1779.9	70.2	84.8	74.9
03/12/15	19:00:00	1780.0	70.3	82.6	72.4
03/12/15	20:00:00	1780.0	70.3	77.8	69.9
03/12/15	21:00:00	1780.0	69.8	72.4	67.4
03/12/15	22:00:00	1780.3	69.7	67.7	65.4
03/12/15	23:00:00	1780.7	69.7	64.0	63.5
03/13/15	00:00:00	1781.6	69.6	61.3	62.0
03/13/15	01:00:00	1782.3	69.4	59.8	60.9
03/13/15	02:00:00	1781.4	69.2	57.4	59.6
03/13/15	03:00:00	1779.5	69.1	55.2	58.6
03/13/15	04:00:00	1780.3	69.1	53.5	57.5
03/13/15	05:00:00	1781.1	69.1	52.0	56.7
03/13/15	06:00:00	1780.8	69.1	50.9	56.0
03/13/15	07:00:00	1780.9	69.0	50.3	55.7
03/13/15	08:00:00	1780.8	69.0	50.4	55.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
03/13/15	09:00:00	1781.3	69.1	51.6	55.9
03/13/15	10:00:00	1781.4	69.4	57.9	58.2
03/13/15	11:00:00	1781.3	69.7	66.6	61.9
03/13/15	12:00:00	1782.3	69.7	74.6	66.0
03/13/15	13:00:00	1782.0	69.7	81.7	70.3
03/13/15	14:00:00	1782.7	69.9	86.9	73.6
03/13/15	15:00:00	1782.8	69.7	91.1	76.9
03/13/15	16:00:00	1783.2	70.2	95.0	79.7
03/13/15	17:00:00	1783.7	70.6	95.4	80.2
03/13/15	18:00:00	1784.0	70.7	95.1	79.7
03/13/15	19:00:00	1784.2	70.8	90.1	76.7
03/13/15	20:00:00	1784.4	70.6	83.7	74.0
03/13/15	21:00:00	1785.0	70.5	78.8	71.7
03/13/15	22:00:00	1785.1	70.2	74.8	69.9
03/13/15	23:00:00	1784.8	70.0	71.9	68.5
03/14/15	00:00:00	1784.5	69.7	69.3	67.2
03/14/15	01:00:00	1785.1	69.7	67.4	66.2
03/14/15	02:00:00	1785.5	69.7	65.7	65.2
03/14/15	03:00:00	1785.8	69.7	63.7	63.9
03/14/15	04:00:00	1785.9	69.6	61.5	62.7
03/14/15	05:00:00	1786.1	69.5	59.5	61.6
03/14/15	06:00:00	1786.6	69.2	57.8	60.7
03/14/15	07:00:00	1786.5	69.2	56.4	59.9
03/14/15	08:00:00	1787.0	69.1	55.4	59.4
03/14/15	09:00:00	1787.3	69.6	58.1	60.1
03/14/15	10:00:00	1787.3	69.7	64.9	62.5
03/14/15	11:00:00	1787.2	69.8	68.5	64.4
03/14/15	12:00:00	1787.6	69.8	72.7	66.5
03/14/15	13:00:00	1787.5	69.9	79.0	70.3
03/14/15	14:00:00	1787.9	69.9	86.2	74.9
03/14/15	15:00:00	1786.6	70.0	92.7	79.3
03/14/15	16:00:00	1784.9	70.5	96.7	82.8
03/14/15	17:00:00	1784.1	70.8	97.4	83.9
03/14/15	18:00:00	1783.6	70.8	95.7	82.4
03/14/15	19:00:00	1783.8	71.2	91.5	79.5
03/14/15	20:00:00	1784.2	70.7	86.8	76.7
03/14/15	21:00:00	1784.2	70.6	82.5	74.4
03/14/15	22:00:00	1784.3	70.6	78.6	72.2
03/14/15	23:00:00	1784.4	70.4	74.8	70.4
03/15/15	00:00:00	1784.3	69.9	71.4	68.7
03/15/15	01:00:00	1784.6	69.8	68.5	67.2
03/15/15	02:00:00	1784.7	69.7	66.0	65.9
03/15/15	03:00:00	1785.1	69.7	63.7	64.7
03/15/15	04:00:00	1785.1	69.7	61.7	63.4
03/15/15	05:00:00	1785.1	69.5	59.9	62.5
03/15/15	06:00:00	1785.1	69.4	58.5	61.6
03/15/15	07:00:00	1785.1	69.2	57.6	61.0
03/15/15	08:00:00	1785.1	69.2	57.3	60.5
03/15/15	09:00:00	1785.2	69.2	57.6	60.5
03/15/15	10:00:00	1784.9	69.7	63.0	62.7
03/15/15	11:00:00	1785.3	69.9	71.5	66.4
03/15/15	12:00:00	1784.6	70.0	77.2	69.6
03/15/15	13:00:00	1783.1	70.1	81.2	72.1
03/15/15	14:00:00	1782.1	70.3	85.3	75.0
03/15/15	15:00:00	1782.9	70.5	89.1	77.9
03/15/15	16:00:00	1783.1	70.6	87.7	78.3
03/15/15	17:00:00	1783.7	70.3	84.5	78.5
03/15/15	18:00:00	1784.0	70.2	84.2	77.6
03/15/15	19:00:00	1784.2	70.5	80.3	73.7
03/15/15	20:00:00	1784.5	70.2	74.2	70.7
03/15/15	21:00:00	1785.0	69.8	69.2	68.0
03/15/15	22:00:00	1785.1	69.7	64.9	65.6
03/15/15	23:00:00	1785.2	69.6	61.1	63.6
03/16/15	00:00:00	1785.4	69.3	58.5	61.9
03/16/15	01:00:00	1785.8	69.2	56.6	60.7
03/16/15	02:00:00	1785.3	69.1	55.3	59.8
03/16/15	03:00:00	1784.6	69.1	54.3	59.1
03/16/15	04:00:00	1785.4	69.1	53.7	58.5
03/16/15	05:00:00	1785.8	69.1	53.1	58.0
03/16/15	06:00:00	1785.8	69.1	52.4	57.4
03/16/15	07:00:00	1785.8	69.0	51.8	57.0
03/16/15	08:00:00	1785.9	68.9	51.6	56.8
03/16/15	09:00:00	1786.3	68.9	52.3	57.0
03/16/15	10:00:00	1786.5	69.0	53.9	57.7
03/16/15	11:00:00	1786.6	69.1	57.8	59.5
03/16/15	12:00:00	1786.6	69.2	63.2	62.1
03/16/15	13:00:00	1786.6	69.5	69.6	65.3
03/16/15	14:00:00	1786.3	69.6	74.9	68.4
03/16/15	15:00:00	1787.3	69.8	79.3	71.3
03/16/15	16:00:00	1787.1	69.7	82.3	73.5
03/16/15	17:00:00	1788.1	69.8	81.9	73.7
03/16/15	18:00:00	1788.7	70.1	78.8	72.1
03/16/15	19:00:00	1789.3	69.8	74.1	70.0
03/16/15	20:00:00	1789.4	69.7	70.2	68.0
03/16/15	21:00:00	1790.0	69.7	67.3	66.4
03/16/15	22:00:00	1790.3	69.7	65.1	65.2
03/16/15	23:00:00	1790.5	69.5	63.5	64.2
03/17/15	00:00:00	1790.9	69.3	62.1	63.3
03/17/15	01:00:00	1790.9	69.2	61.0	62.6

**Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly**

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
03/17/15	02:00:00	1791.6	69.2	60.0	62.0
03/17/15	03:00:00	1791.7	69.2	59.3	61.5
03/17/15	04:00:00	1791.7	69.2	58.9	61.1
03/17/15	05:00:00	1792.1	69.2	58.4	60.6
03/17/15	06:00:00	1792.3	69.2	57.6	60.0
03/17/15	07:00:00	1792.3	69.2	56.4	59.3
03/17/15	08:00:00	1792.6	69.1	55.0	58.5
03/17/15	09:00:00	1793.1	69.2	55.3	58.5
03/17/15	10:00:00	1793.4	69.5	61.0	60.5
03/17/15	11:00:00	1793.8	69.8	66.9	63.6
03/17/15	12:00:00	1793.8	69.8	71.2	66.5
03/17/15	13:00:00	1793.9	69.8	74.6	69.4
03/17/15	14:00:00	1793.8	69.8	78.5	72.3
03/17/15	15:00:00	1793.9	69.8	82.1	74.9
03/17/15	16:00:00	1793.9	69.9	84.9	77.7
03/17/15	17:00:00	1794.4	70.0	86.7	80.6
03/17/15	18:00:00	1794.6	70.1	86.7	79.0
03/17/15	19:00:00	1794.6	70.3	83.2	74.3
03/17/15	20:00:00	1794.8	70.2	74.5	70.5
03/17/15	21:00:00	1795.1	69.7	67.0	67.1
03/17/15	22:00:00	1795.3	69.7	62.7	64.6
03/17/15	23:00:00	1795.3	69.4	60.2	62.9
03/18/15	00:00:00	1795.3	69.2	58.5	61.5
03/18/15	01:00:00	1795.5	69.2	57.0	60.3
03/18/15	02:00:00	1795.5	69.2	55.6	59.4
03/18/15	03:00:00	1795.9	69.1	54.0	58.5
03/18/15	04:00:00	1796.0	69.1	52.4	57.7
03/18/15	05:00:00	1796.0	69.0	50.9	56.7
03/18/15	06:00:00	1796.2	68.7	49.8	56.0
03/18/15	07:00:00	1795.6	68.5	48.6	55.3
03/18/15	08:00:00	1795.3	68.4	47.8	54.8
03/18/15	09:00:00	1795.2	69.1	50.7	55.3
03/18/15	10:00:00	1794.2	69.2	59.1	58.2
03/18/15	11:00:00	1794.3	69.7	66.5	62.0
03/18/15	12:00:00	1794.5	69.7	71.5	65.6
03/18/15	13:00:00	1794.5	69.7	75.5	69.0
03/18/15	14:00:00	1794.0	69.7	79.7	72.3
03/18/15	15:00:00	1794.1	69.7	84.2	75.4
03/18/15	16:00:00	1794.1	69.7	87.7	78.8
03/18/15	17:00:00	1794.1	69.7	89.8	82.0
03/18/15	18:00:00	1794.3	70.1	89.7	80.3
03/18/15	19:00:00	1794.5	70.2	86.0	75.6
03/18/15	20:00:00	1794.4	70.3	79.8	72.5
03/18/15	21:00:00	1794.6	69.7	73.1	69.6
03/18/15	22:00:00	1794.6	69.7	67.8	67.2
03/18/15	23:00:00	1794.6	69.5	63.7	64.9
03/19/15	00:00:00	1794.6	69.2	60.4	63.1
03/19/15	01:00:00	1794.6	69.2	58.6	61.7
03/19/15	02:00:00	1794.6	69.1	56.9	60.6
03/19/15	03:00:00	1794.6	69.1	54.6	59.3
03/19/15	04:00:00	1794.9	69.0	52.5	58.2
03/19/15	05:00:00	1795.0	68.7	51.0	57.3
03/19/15	06:00:00	1795.1	68.6	49.5	56.3
03/19/15	07:00:00	1795.1	68.4	47.9	55.3
03/19/15	08:00:00	1795.3	68.4	46.9	54.6
03/19/15	09:00:00	1793.8	69.1	50.3	55.1
03/19/15	10:00:00	1792.9	69.2	57.7	57.5
03/19/15	11:00:00	1793.4	69.6	66.2	61.3
03/19/15	12:00:00	1793.9	69.7	74.2	65.7
03/19/15	13:00:00	1793.9	69.7	80.9	69.9
03/19/15	14:00:00	1794.3	69.8	87.0	73.7
03/19/15	15:00:00	1794.5	69.9	92.3	77.4
03/19/15	16:00:00	1794.5	70.0	95.8	81.5
03/19/15	17:00:00	1793.3	70.4	96.9	84.9
03/19/15	18:00:00	1793.5	70.6	95.2	83.0
03/19/15	19:00:00	1794.1	70.7	92.3	78.7
03/19/15	20:00:00	1794.6	70.6	86.6	75.4
03/19/15	21:00:00	1794.6	69.9	80.0	72.3
03/19/15	22:00:00	1794.7	69.8	73.7	69.5
03/19/15	23:00:00	1794.8	69.7	68.6	67.0
03/20/15	00:00:00	1795.2	69.5	64.2	64.7
03/20/15	01:00:00	1795.2	69.2	60.3	62.8
03/20/15	02:00:00	1794.2	69.2	57.5	61.2
03/20/15	03:00:00	1794.6	69.2	54.7	59.8
03/20/15	04:00:00	1795.3	69.1	52.3	58.5
03/20/15	05:00:00	1795.4	68.7	50.2	57.4
03/20/15	06:00:00	1795.4	68.5	48.6	56.3
03/20/15	07:00:00	1795.6	68.3	47.2	55.5
03/20/15	08:00:00	1796.1	68.4	46.5	55.1
03/20/15	09:00:00	1796.2	68.7	50.1	55.8
03/20/15	10:00:00	1796.2	69.0	55.9	58.2
03/20/15	11:00:00	1796.1	69.1	62.0	60.9
03/20/15	12:00:00	1795.5	69.2	67.6	63.8
03/20/15	13:00:00	1796.0	69.3	73.5	67.2
03/20/15	14:00:00	1796.0	69.8	79.2	70.2
03/20/15	15:00:00	1796.4	69.8	81.6	72.5
03/20/15	16:00:00	1796.6	69.8	83.4	74.7
03/20/15	17:00:00	1796.7	70.2	82.3	74.5
03/20/15	18:00:00	1796.7	69.9	79.7	73.1

**Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly**

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
03/20/15	19:00:00	1796.8	69.9	76.3	71.0
03/20/15	20:00:00	1796.9	69.8	70.7	68.3
03/20/15	21:00:00	1797.2	69.6	65.7	65.8
03/20/15	22:00:00	1797.3	69.3	62.2	63.8
03/20/15	23:00:00	1797.4	69.2	59.0	61.9
03/21/15	00:00:00	1797.5	69.2	56.4	60.4
03/21/15	01:00:00	1797.5	69.1	55.5	59.5
03/21/15	02:00:00	1797.5	69.0	55.2	59.0
03/21/15	03:00:00	1797.5	69.0	56.0	59.0
03/21/15	04:00:00	1798.3	69.1	56.5	59.0
03/21/15	05:00:00	1798.0	69.0	55.8	58.5
03/21/15	06:00:00	1798.2	68.6	53.9	57.6
03/21/15	07:00:00	1798.4	68.4	52.4	56.9
03/21/15	08:00:00	1798.4	68.6	51.8	56.6
03/21/15	09:00:00	1798.6	68.9	54.1	57.3
03/21/15	10:00:00	1798.7	69.1	61.4	59.8
03/21/15	11:00:00	1798.9	69.6	68.6	63.4
03/21/15	12:00:00	1799.0	69.6	74.4	67.2
03/21/15	13:00:00	1799.0	69.6	79.6	70.9
03/21/15	14:00:00	1798.9	69.6	83.9	74.3
03/21/15	15:00:00	1799.0	69.9	87.5	76.9
03/21/15	16:00:00	1799.0	70.2	89.8	78.9
03/21/15	17:00:00	1798.9	70.3	88.7	79.0
03/21/15	18:00:00	1798.9	70.4	87.2	78.0
03/21/15	19:00:00	1799.0	70.4	82.3	75.1
03/21/15	20:00:00	1799.0	69.9	77.2	72.4
03/21/15	21:00:00	1799.2	69.7	71.8	69.8
03/21/15	22:00:00	1799.6	69.6	67.3	67.5
03/21/15	23:00:00	1799.7	69.4	63.8	65.4
03/22/15	00:00:00	1799.8	69.2	61.8	64.1
03/22/15	01:00:00	1799.8	69.1	60.5	63.1
03/22/15	02:00:00	1799.8	69.1	59.1	62.0
03/22/15	03:00:00	1799.8	69.1	57.7	61.2
03/22/15	04:00:00	1800.1	69.1	56.9	60.5
03/22/15	05:00:00	1800.3	69.1	56.3	60.1
03/22/15	06:00:00	1800.4	69.1	55.7	59.6
03/22/15	07:00:00	1800.5	69.0	54.8	59.1
03/22/15	08:00:00	1800.5	68.8	53.8	58.5
03/22/15	09:00:00	1800.6	69.0	54.6	58.7
03/22/15	10:00:00	1801.0	69.3	61.7	60.9
03/22/15	11:00:00	1801.2	69.7	69.8	64.3
03/22/15	12:00:00	1801.1	69.7	74.7	67.3
03/22/15	13:00:00	1801.2	69.7	76.1	69.2
03/22/15	14:00:00	1801.2	69.7	76.9	70.6
03/22/15	15:00:00	1801.1	69.6	79.1	73.0
03/22/15	16:00:00	1801.1	69.9	81.6	75.0
03/22/15	17:00:00	1801.2	69.9	79.2	74.4
03/22/15	18:00:00	1801.2	69.9	77.2	73.3
03/22/15	19:00:00	1801.2	69.7	70.8	69.6
03/22/15	20:00:00	1801.2	69.6	65.5	66.7
03/22/15	21:00:00	1801.3	69.4	62.0	64.3
03/22/15	22:00:00	1801.4	69.2	59.9	62.9
03/22/15	23:00:00	1801.8	69.2	59.0	62.0
03/23/15	00:00:00	1801.9	69.1	58.5	61.5
03/23/15	01:00:00	1801.9	69.1	57.2	60.8
03/23/15	02:00:00	1801.9	69.1	56.0	59.9
03/23/15	03:00:00	1801.9	69.1	55.2	59.3
03/23/15	04:00:00	1801.9	69.0	54.8	58.8
03/23/15	05:00:00	1801.9	68.9	54.0	58.1
03/23/15	06:00:00	1802.0	68.5	52.4	57.3
03/23/15	07:00:00	1802.4	68.3	50.7	56.5
03/23/15	08:00:00	1802.1	68.4	50.2	56.0
03/23/15	09:00:00	1802.6	69.0	54.1	56.9
03/23/15	10:00:00	1802.7	69.1	59.6	59.1
03/23/15	11:00:00	1802.7	69.1	63.2	61.1
03/23/15	12:00:00	1802.8	69.4	67.4	63.5
03/23/15	13:00:00	1802.8	69.5	72.2	66.6
03/23/15	14:00:00	1802.9	69.4	74.7	68.7
03/23/15	15:00:00	1802.7	69.5	77.8	71.6
03/23/15	16:00:00	1802.9	69.5	80.4	74.7
03/23/15	17:00:00	1803.0	69.7	81.7	77.3
03/23/15	18:00:00	1803.2	69.7	79.8	74.6
03/23/15	19:00:00	1803.4	69.7	75.0	70.4
03/23/15	20:00:00	1803.4	69.6	67.1	66.8
03/23/15	21:00:00	1803.4	69.2	61.4	63.8
03/23/15	22:00:00	1803.4	69.1	58.3	61.7
03/23/15	23:00:00	1803.5	69.1	56.6	60.3
03/24/15	00:00:00	1804.0	69.0	55.5	59.3
03/24/15	01:00:00	1803.8	68.8	54.7	58.5
03/24/15	02:00:00	1804.0	68.6	53.8	57.9
03/24/15	03:00:00	1803.9	68.4	52.7	57.3
03/24/15	04:00:00	1804.1	68.3	51.6	56.6
03/24/15	05:00:00	1804.1	68.3	51.3	56.2
03/24/15	06:00:00	1804.0	68.3	51.4	55.8
03/24/15	07:00:00	1804.1	68.3	51.4	55.6
03/24/15	08:00:00	1804.2	68.3	51.4	55.7
03/24/15	09:00:00	1804.8	68.7	54.6	56.6
03/24/15	10:00:00	1804.7	69.0	59.5	58.7
03/24/15	11:00:00	1804.9	69.1	64.7	61.8

**Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly**

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
03/24/15	12:00:00	1805.0	69.2	68.5	64.6
03/24/15	13:00:00	1805.0	69.5	72.6	67.7
03/24/15	14:00:00	1805.0	69.5	75.1	69.9
03/24/15	15:00:00	1805.0	69.4	77.6	71.8
03/24/15	16:00:00	1805.0	69.8	79.6	73.2
03/24/15	17:00:00	1805.0	69.6	76.9	72.3
03/24/15	18:00:00	1805.0	69.6	75.8	71.6
03/24/15	19:00:00	1805.0	69.7	72.4	69.7
03/24/15	20:00:00	1804.7	69.6	68.6	67.6
03/24/15	21:00:00	1804.9	69.4	64.9	65.5
03/24/15	22:00:00	1805.0	69.1	61.7	63.6
03/24/15	23:00:00	1805.0	69.1	59.3	62.1
03/25/15	00:00:00	1805.3	69.1	57.4	60.8
03/25/15	01:00:00	1805.5	69.0	55.7	59.7
03/25/15	02:00:00	1805.5	68.9	54.3	58.8
03/25/15	03:00:00	1805.5	68.5	53.3	57.9
03/25/15	04:00:00	1805.5	68.4	52.5	57.3
03/25/15	05:00:00	1805.5	68.3	52.2	56.7
03/25/15	06:00:00	1805.5	68.3	51.5	56.3
03/25/15	07:00:00	1805.5	68.3	50.5	55.7
03/25/15	08:00:00	1805.8	68.3	49.9	55.3
03/25/15	09:00:00	1806.3	69.0	54.2	56.1
03/25/15	10:00:00	1806.4	69.1	61.1	58.4
03/25/15	11:00:00	1804.0	69.0	67.1	62.0
03/25/15	12:00:00	1802.3	69.2	72.8	66.0
03/25/15	13:00:00	1801.1	69.3	77.6	69.7
03/25/15	14:00:00	1800.2	69.4	82.2	73.4
03/25/15	15:00:00	1799.3	69.3	86.8	76.8
03/25/15	16:00:00	1798.7	69.5	91.6	80.5
03/25/15	17:00:00	1798.2	69.6	95.0	83.9
03/25/15	18:00:00	1798.6	69.7	96.0	81.7
03/25/15	19:00:00	1798.3	69.9	94.5	78.5
03/25/15	20:00:00	1798.4	70.4	88.9	75.6
03/25/15	21:00:00	1799.1	69.8	81.6	72.8
03/25/15	22:00:00	1801.6	69.7	74.3	70.2
03/25/15	23:00:00	1803.1	69.7	69.7	68.1
03/26/15	00:00:00	1804.0	69.5	66.0	66.1
03/26/15	01:00:00	1805.0	69.3	62.5	64.3
03/26/15	02:00:00	1805.5	69.2	59.3	62.7
03/26/15	03:00:00	1806.0	69.1	56.8	61.3
03/26/15	04:00:00	1807.1	69.1	54.7	60.1
03/26/15	05:00:00	1807.8	68.9	53.2	59.2
03/26/15	06:00:00	1808.5	68.8	52.0	58.3
03/26/15	07:00:00	1808.7	68.5	50.9	57.5
03/26/15	08:00:00	1809.5	68.7	50.1	57.0
03/26/15	09:00:00	1810.3	69.1	54.6	57.7
03/26/15	10:00:00	1810.5	69.4	63.0	60.4
03/26/15	11:00:00	1809.7	69.7	71.8	64.5
03/26/15	12:00:00	1810.2	69.8	79.3	68.9
03/26/15	13:00:00	1810.6	69.7	85.6	73.3
03/26/15	14:00:00	1810.6	69.8	91.1	77.4
03/26/15	15:00:00	1810.6	69.8	96.4	81.1
03/26/15	16:00:00	1811.3	70.2	101.1	85.1
03/26/15	17:00:00	1811.7	70.5	104.1	88.4
03/26/15	18:00:00	1812.1	70.7	105.7	86.6
03/26/15	19:00:00	1812.5	70.8	102.6	83.4
03/26/15	20:00:00	1813.0	70.9	94.3	80.2
03/26/15	21:00:00	1813.4	70.5	86.3	76.9
03/26/15	22:00:00	1813.7	70.4	79.9	74.1
03/26/15	23:00:00	1814.0	69.9	75.4	71.8
03/27/15	00:00:00	1814.3	69.7	71.3	69.7
03/27/15	01:00:00	1814.4	69.7	67.6	67.7
03/27/15	02:00:00	1815.1	69.6	64.3	66.0
03/27/15	03:00:00	1815.1	69.5	61.6	64.6
03/27/15	04:00:00	1815.3	69.3	59.3	63.3
03/27/15	05:00:00	1815.8	69.1	57.3	62.2
03/27/15	06:00:00	1815.8	69.1	55.6	61.3
03/27/15	07:00:00	1816.1	69.1	54.1	60.4
03/27/15	08:00:00	1816.7	69.1	53.4	59.7
03/27/15	09:00:00	1817.3	69.6	57.9	60.5
03/27/15	10:00:00	1817.3	69.7	66.2	63.1
03/27/15	11:00:00	1817.5	70.0	74.4	67.2
03/27/15	12:00:00	1817.8	70.5	81.6	71.8
03/27/15	13:00:00	1817.8	70.6	86.9	76.2
03/27/15	14:00:00	1817.8	70.6	90.2	79.8
03/27/15	15:00:00	1817.8	70.7	93.0	82.7
03/27/15	16:00:00	1817.9	70.7	95.6	85.7
03/27/15	17:00:00	1817.9	70.7	94.6	87.5
03/27/15	18:00:00	1818.2	70.6	90.8	83.9
03/27/15	19:00:00	1818.7	70.7	87.0	79.1
03/27/15	20:00:00	1818.7	70.7	78.8	75.2
03/27/15	21:00:00	1819.0	70.5	71.8	71.8
03/27/15	22:00:00	1819.3	69.9	66.8	68.9
03/27/15	23:00:00	1819.4	69.8	63.0	66.5
03/28/15	00:00:00	1819.4	69.7	60.4	64.8
03/28/15	01:00:00	1819.8	69.4	58.0	63.4
03/28/15	02:00:00	1820.1	69.2	56.4	62.0
03/28/15	03:00:00	1820.2	69.2	56.6	61.1
03/28/15	04:00:00	1820.4	69.2	56.4	60.6

**Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly**

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
03/28/15	05:00:00	1820.9	69.1	55.3	59.8
03/28/15	06:00:00	1821.0	69.1	54.4	59.2
03/28/15	07:00:00	1821.0	69.1	53.3	58.6
03/28/15	08:00:00	1821.6	69.1	52.2	58.0
03/28/15	09:00:00	1821.8	69.2	56.0	58.7
03/28/15	10:00:00	1821.9	69.5	61.2	60.9
03/28/15	11:00:00	1821.9	69.7	68.2	64.7
03/28/15	12:00:00	1822.2	69.8	74.7	68.8
03/28/15	13:00:00	1822.3	70.0	79.8	72.9
03/28/15	14:00:00	1822.3	70.1	84.6	76.8
03/28/15	15:00:00	1822.3	70.2	89.6	80.4
03/28/15	16:00:00	1822.4	70.6	93.6	84.2
03/28/15	17:00:00	1822.4	70.6	95.6	87.6
03/28/15	18:00:00	1822.5	70.9	94.6	85.2
03/28/15	19:00:00	1823.0	70.8	90.6	80.6
03/28/15	20:00:00	1823.2	70.8	83.7	76.9
03/28/15	21:00:00	1823.2	70.6	76.1	73.4
03/28/15	22:00:00	1820.3	70.1	70.3	70.5
03/28/15	23:00:00	1820.4	69.8	65.6	67.8
03/29/15	00:00:00	1821.1	69.7	62.0	65.7
03/29/15	01:00:00	1821.3	69.6	59.4	64.0
03/29/15	02:00:00	1821.5	69.4	58.1	62.8
03/29/15	03:00:00	1821.6	69.2	57.0	61.7
03/29/15	04:00:00	1821.7	69.1	54.6	60.4
03/29/15	05:00:00	1821.8	69.1	52.7	59.3
03/29/15	06:00:00	1821.8	69.1	51.3	58.3
03/29/15	07:00:00	1821.8	69.0	49.6	57.3
03/29/15	08:00:00	1822.0	69.0	48.7	56.6
03/29/15	09:00:00	1822.5	69.4	53.9	57.7
03/29/15	10:00:00	1822.5	69.6	63.4	61.3
03/29/15	11:00:00	1822.4	69.7	72.5	66.0
03/29/15	12:00:00	1822.1	70.3	78.9	70.5
03/29/15	13:00:00	1822.0	70.5	83.8	74.8
03/29/15	14:00:00	1821.7	70.6	89.0	78.8
03/29/15	15:00:00	1821.8	70.6	94.0	82.3
03/29/15	16:00:00	1821.9	70.6	97.7	86.1
03/29/15	17:00:00	1821.7	70.9	99.6	89.6
03/29/15	18:00:00	1822.1	71.2	99.0	87.7
03/29/15	19:00:00	1822.3	71.1	95.9	82.9
03/29/15	20:00:00	1822.4	71.2	89.4	79.1
03/29/15	21:00:00	1822.5	70.6	82.6	75.8
03/29/15	22:00:00	1822.5	70.5	76.5	72.9
03/29/15	23:00:00	1822.6	70.0	71.1	70.2
03/30/15	00:00:00	1822.8	69.7	66.4	67.6
03/30/15	01:00:00	1822.9	69.7	62.4	65.6
03/30/15	02:00:00	1823.2	69.6	58.8	63.8
03/30/15	03:00:00	1823.2	69.3	56.1	62.2
03/30/15	04:00:00	1823.2	69.2	54.0	60.8
03/30/15	05:00:00	1823.2	69.1	51.9	59.6
03/30/15	06:00:00	1823.2	69.1	50.1	58.5
03/30/15	07:00:00	1823.3	69.1	48.8	57.5
03/30/15	08:00:00	1823.7	69.1	48.4	57.0
03/30/15	09:00:00	1824.0	69.5	54.1	58.2
03/30/15	10:00:00	1823.9	69.7	63.9	61.9
03/30/15	11:00:00	1824.5	70.0	72.3	66.2
03/30/15	12:00:00	1825.0	70.5	79.4	70.9
03/30/15	13:00:00	1825.4	70.5	85.2	75.0
03/30/15	14:00:00	(2)	70.5	89.6	78.2
03/30/15	15:00:00	1143.4	70.7	92.7	80.4
03/30/15	16:00:00	1825.4	70.6	95.8	84.0
03/30/15	17:00:00	1825.8	71.1	96.8	86.3
03/30/15	18:00:00	1826.1	71.2	92.3	83.8
03/30/15	19:00:00	1826.1	71.1	84.0	78.9
03/30/15	20:00:00	1826.7	70.7	76.3	74.8
03/30/15	21:00:00	1826.8	70.6	70.9	71.6
03/30/15	22:00:00	1826.8	70.1	66.8	69.1
03/30/15	23:00:00	1826.6	69.8	62.9	66.9
03/31/15	00:00:00	1826.2	69.7	59.9	65.0
03/31/15	01:00:00	1826.3	69.6	57.4	63.4
03/31/15	02:00:00	1826.7	69.5	57.9	62.4
03/31/15	03:00:00	1826.8	69.5	58.6	61.9
03/31/15	04:00:00	1826.8	69.3	58.7	61.4
03/31/15	05:00:00	1826.8	69.3	58.0	60.6
03/31/15	06:00:00	1826.8	69.2	57.1	59.8
03/31/15	07:00:00	1826.8	69.2	56.5	59.2
03/31/15	08:00:00	1826.8	69.3	56.0	58.8
03/31/15	09:00:00	1826.8	69.7	59.3	59.8
03/31/15	10:00:00	1827.0	69.7	63.9	62.3
03/31/15	11:00:00	1827.3	69.9	67.8	65.2
03/31/15	12:00:00	1827.0	70.3	70.8	68.1
03/31/15	13:00:00	1827.0	70.4	73.7	71.0
03/31/15	14:00:00	1826.9	70.2	76.8	73.6
03/31/15	15:00:00	1826.9	70.0	80.2	75.9
03/31/15	16:00:00	1826.9	70.5	82.7	78.3
03/31/15	17:00:00	1827.2	70.5	83.1	80.3
03/31/15	18:00:00	1827.3	70.5	82.1	79.2
03/31/15	19:00:00	1827.5	70.5	79.2	74.4
03/31/15	20:00:00	1827.5	70.5	74.1	71.5
03/31/15	21:00:00	1827.5	70.0	68.2	68.6

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
03/31/15	22:00:00	1827.7	69.7	63.1	65.9
03/31/15	23:00:00	1828.0	69.7	59.4	63.8
04/01/15	00:00:00	1828.1	69.5	56.1	61.8
04/01/15	01:00:00	1828.4	69.2	53.3	59.9
04/01/15	02:00:00	1828.4	69.1	51.5	58.5
04/01/15	03:00:00	1828.4	69.1	50.1	57.4
04/01/15	04:00:00	1828.4	69.1	48.6	56.3
04/01/15	05:00:00	1828.5	68.9	46.7	55.2
04/01/15	06:00:00	1828.8	68.6	45.4	54.3
04/01/15	07:00:00	1828.9	68.5	44.6	53.4
04/01/15	08:00:00	1826.6	68.6	44.6	53.1
04/01/15	09:00:00	1824.3	69.0	50.5	54.5
04/01/15	10:00:00	1823.1	69.2	58.3	57.7
04/01/15	11:00:00	1822.2	69.5	64.0	61.3
04/01/15	12:00:00	1821.3	69.5	68.4	65.1
04/01/15	13:00:00	1820.5	69.5	71.2	67.8
04/01/15	14:00:00	1819.7	69.5	73.7	69.8
04/01/15	15:00:00	1818.9	69.5	77.3	72.2
04/01/15	16:00:00	1818.3	69.9	80.1	74.5
04/01/15	17:00:00	1817.7	69.5	81.2	77.1
04/01/15	18:00:00	1817.2	69.6	81.7	77.3
04/01/15	19:00:00	1816.7	69.8	78.3	72.2
04/01/15	20:00:00	1816.3	69.7	70.1	68.2
04/01/15	21:00:00	1815.9	69.5	62.7	64.7
04/01/15	22:00:00	1815.3	69.2	58.4	62.3
04/01/15	23:00:00	1815.1	69.0	55.6	60.6
04/02/15	00:00:00	1814.5	69.0	53.9	59.3
04/02/15	01:00:00	1814.2	69.0	52.4	58.2
04/02/15	02:00:00	1813.7	68.8	50.9	57.2
04/02/15	03:00:00	1813.6	68.7	50.3	56.5
04/02/15	04:00:00	1813.0	68.5	50.3	55.9
04/02/15	05:00:00	1812.9	68.4	50.1	55.3
04/02/15	06:00:00	1812.5	68.3	49.4	54.7
04/02/15	07:00:00	1812.2	68.1	48.8	54.0
04/02/15	08:00:00	1811.9	68.4	48.9	53.8
04/02/15	09:00:00	1811.5	68.9	53.1	55.0
04/02/15	10:00:00	1811.5	68.9	58.7	57.8
04/02/15	11:00:00	1811.3	69.3	63.5	61.3
04/02/15	12:00:00	1810.9	69.4	67.5	64.9
04/02/15	13:00:00	1810.8	69.5	70.9	68.4
04/02/15	14:00:00	1810.2	69.5	74.7	71.5
04/02/15	15:00:00	1810.0	69.5	78.6	74.4
04/02/15	16:00:00	1810.0	69.6	81.4	77.4
04/02/15	17:00:00	1809.6	69.5	82.7	80.2
04/02/15	18:00:00	1809.4	69.6	82.2	79.3
04/02/15	19:00:00	1809.3	69.8	80.3	74.6
04/02/15	20:00:00	1809.3	70.1	75.1	71.3
04/02/15	21:00:00	1809.1	69.6	68.2	68.0
04/02/15	22:00:00	1808.8	69.5	61.7	64.7
04/02/15	23:00:00	1808.6	69.1	57.2	62.1
04/03/15	00:00:00	1808.6	69.0	54.8	60.3
04/03/15	01:00:00	1808.3	69.0	52.6	58.8
04/03/15	02:00:00	1808.0	68.9	50.7	57.6
04/03/15	03:00:00	1807.9	68.6	49.3	56.6
04/03/15	04:00:00	1807.9	68.4	47.6	55.6
04/03/15	05:00:00	1807.7	68.2	45.6	54.5
04/03/15	06:00:00	1807.5	68.1	44.9	53.7
04/03/15	07:00:00	1807.2	68.1	44.3	53.1
04/03/15	08:00:00	(3)	(3)	(3)	(3)
04/03/15	09:00:00	1807.2	68.9	50.5	54.4
04/03/15	10:00:00	1807.2	69.0	57.1	57.1
04/03/15	11:00:00	1809.9	69.5	64.7	61.0
04/03/15	12:00:00	1812.2	69.7	70.7	65.1
04/03/15	13:00:00	1813.5	69.7	75.2	69.3
04/03/15	14:00:00	1814.6	69.7	79.9	73.1
04/03/15	15:00:00	1815.4	69.9	85.1	76.7
04/03/15	16:00:00	1816.2	70.4	89.0	80.4
04/03/15	17:00:00	1816.5	70.5	90.8	83.4
04/03/15	18:00:00	1817.7	70.6	90.0	82.7
04/03/15	19:00:00	1818.4	70.7	85.8	77.3
04/03/15	20:00:00	1819.2	70.6	77.0	72.9
04/03/15	21:00:00	1819.7	70.2	67.8	68.5
04/03/15	22:00:00	1820.5	69.7	61.5	65.2
04/03/15	23:00:00	1821.2	69.7	57.6	62.9
04/04/15	00:00:00	1821.8	69.3	53.8	60.6
04/04/15	01:00:00	1822.4	69.1	50.6	58.7
04/04/15	02:00:00	1822.9	69.1	49.1	57.5
04/04/15	03:00:00	1823.3	69.1	49.7	56.8
04/04/15	04:00:00	1823.8	69.1	48.4	55.7
04/04/15	05:00:00	1824.3	69.0	46.7	54.8
04/04/15	06:00:00	1824.7	68.6	45.1	53.9
04/04/15	07:00:00	1824.9	68.5	43.6	53.3
04/04/15	08:00:00	1825.4	68.6	43.4	52.9
04/04/15	09:00:00	(4)	69.1	49.1	54.4
04/04/15	10:00:00	(4)	69.4	58.0	57.7
04/04/15	11:00:00	(4)	69.8	65.1	61.6
04/04/15	12:00:00	(4)	69.9	71.2	65.4
04/04/15	13:00:00	(4)	70.5	74.1	68.6

**Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly**

Instrument Tag #:	PIT-016A	PIT-016B	TIT-016A	TIT-016B	
Description:	Tubing Pressure	Annulus Pressure	Tubing Temperature	Annulus Temperature	
Date	Time	PSIG	°F	°F	
04/04/15	14:00:00	(4)	70.2	76.4	71.1
04/04/15	15:00:00	(4)	70.0	80.6	73.3
04/04/15	16:00:00	(4)	71.3	82.3	75.3
04/04/15	17:00:00	1820.7	71.2	83.1	77.2
04/04/15	18:00:00	1820.5	71.3	75.4	72.5
04/04/15	19:00:00	1821.0	70.6	67.2	68.0
04/04/15	20:00:00	1821.1	70.3	62.3	64.9
04/04/15	21:00:00	1821.7	69.8	59.5	62.8
04/04/15	22:00:00	1821.7	69.7	58.0	61.4
04/04/15	23:00:00	1821.9	69.7	56.6	60.2
04/05/15	00:00:00	1822.5	69.6	55.1	59.0
04/05/15	01:00:00	1822.5	69.4	53.9	58.0
04/05/15	02:00:00	1822.9	69.1	52.8	57.2
04/05/15	03:00:00	1823.2	69.1	51.9	56.5
04/05/15	04:00:00	1823.2	69.2	51.2	55.7
04/05/15	05:00:00	1823.3	69.1	49.7	54.9
04/05/15	06:00:00	1823.8	69.1	48.1	54.2
04/05/15	07:00:00	1823.9	69.0	46.8	53.7
04/05/15	08:00:00	1824.1	69.1	46.9	53.7
04/05/15	09:00:00	1824.2	69.1	49.6	54.7
04/05/15	10:00:00	1824.6	69.1	53.4	56.7
04/05/15	11:00:00	1824.6	69.3	58.1	59.2
04/05/15	12:00:00	1824.6	69.5	62.1	61.4
04/05/15	13:00:00	1824.9	69.7	65.3	63.4
04/05/15	14:00:00	1825.3	69.8	59.6	60.1
04/05/15	15:00:00	1825.3	69.4	56.9	59.0
04/05/15	16:00:00	1825.3	69.2	58.2	59.8
04/05/15	17:00:00	1825.4	69.2	62.5	62.4
04/05/15	18:00:00	1825.5	69.3	65.5	64.3
04/05/15	19:00:00	1825.8	69.4	66.4	62.3
04/05/15	20:00:00	1826.0	69.6	61.6	59.9
04/05/15	21:00:00	1826.1	69.2	55.9	57.7
04/05/15	22:00:00	1826.1	69.1	52.4	56.2
04/05/15	23:00:00	1826.4	69.1	49.9	54.8
04/06/15	00:00:00	1826.2	68.9	47.9	53.8
04/06/15	01:00:00	1826.5	68.7	46.0	52.9
04/06/15	02:00:00	1826.8	68.5	44.7	52.1
04/06/15	03:00:00	1826.8	68.3	43.7	51.4
04/06/15	04:00:00	1827.0	68.3	42.3	50.8
04/06/15	05:00:00	1827.3	68.3	41.1	50.2
04/06/15	06:00:00	1827.4	68.3	39.8	49.4
04/06/15	07:00:00	1827.5	68.3	38.5	48.7
04/06/15	08:00:00	1827.8	68.3	38.8	48.4
04/06/15	09:00:00	1828.3	68.9	44.9	50.4
04/06/15	10:00:00	1828.4	69.2	53.1	54.1
04/06/15	11:00:00	1828.4	69.6	60.7	57.6
04/06/15	12:00:00	1828.6	69.7	66.1	60.8
04/06/15	13:00:00	1828.5	69.8	71.2	64.4
04/06/15	14:00:00	1828.3	69.8	74.1	67.3
04/06/15	15:00:00	1828.4	69.8	75.9	69.3
04/06/15	16:00:00	1828.7	69.8	76.1	70.6
04/06/15	17:00:00	1828.8	70.3	73.9	69.7
04/06/15	18:00:00	1829.0	69.9	70.9	68.1
04/06/15	19:00:00	1829.1	69.9	69.5	66.9
04/06/15	20:00:00	1829.1	69.8	65.9	64.8
04/06/15	21:00:00	1829.1	69.7	62.4	62.7
04/06/15	22:00:00	1829.2	69.6	59.5	61.0
04/06/15	23:00:00	1829.8	69.4	57.6	59.7
04/07/15	00:00:00	1829.8	69.2	55.3	58.4
04/07/15	01:00:00	1829.8	69.1	52.6	57.1
04/07/15	02:00:00	1829.8	69.1	50.8	56.0
04/07/15	03:00:00	1830.0	69.2	49.3	55.2
04/07/15	04:00:00	1830.4	69.1	49.1	54.7
04/07/15	05:00:00	1830.5	69.0	48.8	54.1
04/07/15	06:00:00	1830.5	68.9	47.7	52.9
04/07/15	07:00:00	1830.5	68.8	46.8	51.7
04/07/15	08:00:00	1830.6	68.4	46.5	50.6
04/07/15	09:00:00	1830.7	68.3	46.6	50.0
04/07/15	10:00:00	1831.0	68.3	46.7	49.8
04/07/15	11:00:00	1831.2	68.6	49.2	51.5
04/07/15	12:00:00	1831.2	69.2	55.1	54.8
04/07/15	13:00:00	1831.2	69.2	58.7	56.3
04/07/15	14:00:00	1831.2	69.1	58.7	56.5
04/07/15	15:00:00	1831.3	69.2	58.9	57.1
04/07/15	16:00:00	1831.7	69.0	62.8	59.0
04/07/15	17:00:00	1831.8	69.4	63.8	59.6
04/07/15	18:00:00	1831.9	69.4	56.1	55.7
04/07/15	19:00:00	1831.9	68.5	55.2	54.7
04/07/15	20:00:00	1831.9	69.2	55.6	54.2
04/07/15	21:00:00	1832.1	68.9	52.3	53.3
04/07/15	22:00:00	1832.1	68.7	50.5	52.6
04/07/15	23:00:00	1831.9	68.5	48.8	52.0
04/08/15	00:00:00	1832.3	68.3	46.9	51.3
04/08/15	01:00:00	1832.7	68.3	46.1	51.1
04/08/15	02:00:00	1832.7	68.3	45.9	50.8
04/08/15	03:00:00	1832.9	68.3	44.8	50.3
04/08/15	04:00:00	1833.1	68.3	43.9	49.8
04/08/15	05:00:00	1833.3	68.3	42.7	49.3
04/08/15	06:00:00	1833.4	68.3	42.0	49.1

**Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly**

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
04/08/15	07:00:00	1833.4	68.3	41.5	48.8
04/08/15	08:00:00	1833.5	68.3	41.5	48.9
04/08/15	09:00:00	1833.8	68.3	44.0	50.0
04/08/15	10:00:00	1834.1	68.9	48.5	52.0
04/08/15	11:00:00	1834.2	69.2	53.3	54.1
04/08/15	12:00:00	1834.3	69.7	61.4	58.0
04/08/15	13:00:00	1834.1	69.8	66.5	60.5
04/08/15	14:00:00	1834.5	69.6	68.9	62.5
04/08/15	15:00:00	1834.5	69.5	74.1	65.6
04/08/15	16:00:00	1834.2	69.6	77.6	68.8
04/08/15	17:00:00	1834.5	69.7	78.9	71.2
04/08/15	18:00:00	1834.7	69.7	78.3	71.5
04/08/15	19:00:00	1834.9	69.8	74.9	67.0
04/08/15	20:00:00	1835.0	69.8	68.7	63.7
04/08/15	21:00:00	1835.0	69.7	62.4	61.0
04/08/15	22:00:00	1835.0	69.3	57.8	58.9
04/08/15	23:00:00	1835.2	69.2	54.0	57.0
04/09/15	00:00:00	1835.5	69.1	50.7	55.3
04/09/15	01:00:00	1835.7	69.1	48.1	53.9
04/09/15	02:00:00	1835.8	69.0	46.4	53.1
04/09/15	03:00:00	1835.8	68.9	45.1	52.3
04/09/15	04:00:00	1836.1	68.7	44.2	51.9
04/09/15	05:00:00	1836.3	68.6	43.1	51.2
04/09/15	06:00:00	1836.4	68.4	41.8	50.5
04/09/15	07:00:00	1836.4	68.3	40.6	49.9
04/09/15	08:00:00	1836.7	68.6	40.9	49.9
04/09/15	09:00:00	1837.1	69.2	46.3	51.5
04/09/15	10:00:00	1837.1	69.6	54.5	54.9
04/09/15	11:00:00	1837.2	69.7	61.9	58.2
04/09/15	12:00:00	1837.1	69.8	68.0	61.5
04/09/15	13:00:00	1837.2	70.1	72.6	64.7
04/09/15	14:00:00	1837.5	70.0	77.0	67.5
04/09/15	15:00:00	1837.5	69.9	81.6	70.4
04/09/15	16:00:00	1837.4	70.1	83.4	72.3
04/09/15	17:00:00	1837.6	70.0	86.7	75.5
04/09/15	18:00:00	1837.8	70.2	88.7	76.8
04/09/15	19:00:00	1837.8	70.6	87.2	73.0
04/09/15	20:00:00	1837.8	70.6	81.6	70.0
04/09/15	21:00:00	1837.8	70.4	75.1	67.3
04/09/15	22:00:00	1837.9	69.9	69.9	65.1
04/09/15	23:00:00	1838.3	69.7	64.9	62.8
04/10/15	00:00:00	1838.1	69.7	59.7	60.4
04/10/15	01:00:00	1837.7	69.6	55.9	58.6
04/10/15	02:00:00	1837.3	69.3	53.3	57.4
04/10/15	03:00:00	1837.3	69.2	51.2	56.5
04/10/15	04:00:00	1837.2	69.1	49.4	55.5
04/10/15	05:00:00	1837.1	69.1	48.0	54.6
04/10/15	06:00:00	1837.1	69.2	46.4	53.7
04/10/15	07:00:00	1837.1	69.2	45.1	53.0
04/10/15	08:00:00	1837.3	69.2	45.4	52.9
04/10/15	09:00:00	1837.7	69.6	51.6	54.8
04/10/15	10:00:00	1837.7	70.1	59.6	58.0
04/10/15	11:00:00	1837.8	70.5	66.5	61.4
04/10/15	12:00:00	1837.7	70.6	72.2	64.9
04/10/15	13:00:00	1837.7	70.6	76.8	68.1
04/10/15	14:00:00	1837.6	70.6	81.3	71.2
04/10/15	15:00:00	1837.2	70.6	85.4	74.0
04/10/15	16:00:00	1837.1	70.6	88.3	77.2
04/10/15	17:00:00	1837.1	70.6	89.7	79.8
04/10/15	18:00:00	1837.1	70.7	88.6	79.7
04/10/15	19:00:00	1837.1	70.7	84.2	74.6
04/10/15	20:00:00	1837.1	70.9	76.5	70.5
04/10/15	21:00:00	1837.1	70.6	68.5	66.8
04/10/15	22:00:00	1837.2	70.2	63.1	63.9
04/10/15	23:00:00	1837.3	69.7	59.3	61.7
04/11/15	00:00:00	1837.5	69.7	56.6	60.2
04/11/15	01:00:00	1837.6	69.7	55.2	58.8
04/11/15	02:00:00	1837.8	69.6	53.6	57.7
04/11/15	03:00:00	1837.8	69.4	51.8	56.9
04/11/15	04:00:00	1837.8	69.2	50.1	56.0
04/11/15	05:00:00	1837.8	69.2	48.6	55.2
04/11/15	06:00:00	1837.8	69.1	47.4	54.5
04/11/15	07:00:00	1837.8	69.1	46.4	53.9
04/11/15	08:00:00	1838.0	69.1	46.8	54.0
04/11/15	09:00:00	1838.4	69.6	52.4	55.9
04/11/15	10:00:00	1838.6	70.2	60.9	59.3
04/11/15	11:00:00	1838.6	70.5	68.9	63.4
04/11/15	12:00:00	1838.4	70.5	73.5	66.5
04/11/15	13:00:00	1838.6	70.5	75.3	68.3
04/11/15	14:00:00	1838.6	70.5	79.9	71.2
04/11/15	15:00:00	1838.6	70.5	84.5	74.3
04/11/15	16:00:00	1838.6	70.6	88.2	77.7
04/11/15	17:00:00	1838.6	70.7	90.9	80.9
04/11/15	18:00:00	1838.6	71.2	89.6	80.8
04/11/15	19:00:00	1838.6	71.0	84.2	75.4
04/11/15	20:00:00	1838.6	71.1	76.2	71.0
04/11/15	21:00:00	1838.6	70.6	68.3	67.4
04/11/15	22:00:00	1838.6	70.5	63.9	64.9
04/11/15	23:00:00	1838.6	70.2	61.5	63.2

Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
04/12/15	00:00:00	1838.6	69.8	59.7	61.8
04/12/15	01:00:00	1839.1	69.7	58.3	60.7
04/12/15	02:00:00	1839.1	69.7	56.5	59.7
04/12/15	03:00:00	1839.3	69.7	54.4	58.6
04/12/15	04:00:00	1839.3	69.7	52.7	57.5
04/12/15	05:00:00	1839.3	69.6	51.4	56.5
04/12/15	06:00:00	1839.3	69.4	50.0	55.7
04/12/15	07:00:00	1839.3	69.2	48.6	54.9
04/12/15	08:00:00	1839.8	69.4	49.3	54.8
04/12/15	09:00:00	1838.6	69.8	55.4	57.0
04/12/15	10:00:00	1837.8	70.5	62.7	60.4
04/12/15	11:00:00	1837.9	70.5	69.3	64.0
04/12/15	12:00:00	1838.7	70.7	74.9	67.6
04/12/15	13:00:00	1839.2	70.9	79.3	70.8
04/12/15	14:00:00	1838.9	71.1	83.6	74.0
04/12/15	15:00:00	1838.6	70.9	88.0	77.0
04/12/15	16:00:00	1839.0	70.9	91.7	80.5
04/12/15	17:00:00	1839.2	71.2	94.5	83.9
04/12/15	18:00:00	1839.2	71.3	95.6	84.6
04/12/15	19:00:00	1839.3	71.3	94.8	80.2
04/12/15	20:00:00	1839.3	71.7	88.2	76.4
04/12/15	21:00:00	1839.3	71.2	79.2	72.6
04/12/15	22:00:00	1839.4	71.0	72.2	69.5
04/12/15	23:00:00	1839.5	70.6	66.7	66.8
04/13/15	00:00:00	1839.8	70.6	63.3	64.9
04/13/15	01:00:00	1839.9	70.5	60.4	63.3
04/13/15	02:00:00	1840.0	70.2	57.6	61.6
04/13/15	03:00:00	1840.0	69.8	55.3	60.3
04/13/15	04:00:00	1839.8	69.7	53.3	59.2
04/13/15	05:00:00	1839.6	69.7	51.3	58.0
04/13/15	06:00:00	1840.0	69.7	49.5	56.9
04/13/15	07:00:00	1840.0	69.7	48.1	55.9
04/13/15	08:00:00	1840.7	69.7	49.1	55.9
04/13/15	09:00:00	1840.8	70.4	56.0	58.2
04/13/15	10:00:00	1840.8	70.9	64.8	61.9
04/13/15	11:00:00	1840.9	71.2	73.0	65.8
04/13/15	12:00:00	1840.9	71.3	78.8	69.6
04/13/15	13:00:00	1840.7	71.3	81.1	72.6
04/13/15	14:00:00	1840.8	71.2	83.3	75.3
04/13/15	15:00:00	1840.7	71.2	85.5	77.4
04/13/15	16:00:00	1840.8	71.2	84.9	78.7
04/13/15	17:00:00	1840.8	71.2	84.2	80.2
04/13/15	18:00:00	1841.0	71.2	81.1	78.5
04/13/15	19:00:00	1841.1	71.2	77.1	73.1
04/13/15	20:00:00	1841.3	71.2	71.1	69.0
04/13/15	21:00:00	1841.5	70.8	64.1	65.5
04/13/15	22:00:00	1841.5	70.6	59.6	62.6
04/13/15	23:00:00	1841.5	70.5	57.2	60.7
04/14/15	00:00:00	1841.5	70.3	55.6	59.5
04/14/15	01:00:00	1841.6	69.8	54.7	58.8
04/14/15	02:00:00	1841.8	69.9	54.3	58.3
04/14/15	03:00:00	1842.0	69.8	53.3	57.3
04/14/15	04:00:00	1842.2	69.7	51.3	55.8
04/14/15	05:00:00	1842.2	69.7	49.3	54.5
04/14/15	06:00:00	1842.1	69.7	47.5	53.4
04/14/15	07:00:00	1842.2	69.7	45.6	52.5
04/14/15	08:00:00	1842.0	69.8	46.2	52.5
04/14/15	09:00:00	1842.8	70.4	51.9	54.6
04/14/15	10:00:00	1843.6	70.7	58.8	57.9
04/14/15	11:00:00	1843.8	70.9	63.8	60.8
04/14/15	12:00:00	1843.7	71.0	67.5	63.6
04/14/15	13:00:00	1844.3	71.2	70.3	66.2
04/14/15	14:00:00	1844.5	71.1	72.7	68.6
04/14/15	15:00:00	1844.5	70.7	75.3	70.7
04/14/15	16:00:00	1844.8	70.8	77.3	73.2
04/14/15	17:00:00	1845.0	71.0	78.4	75.6
04/14/15	18:00:00	1845.2	71.1	77.9	75.6
04/14/15	19:00:00	1845.2	71.1	75.9	70.8
04/14/15	20:00:00	1845.4	71.3	71.4	67.4
04/14/15	21:00:00	1845.8	71.1	64.0	64.1
04/14/15	22:00:00	1845.9	70.6	58.7	61.5
04/14/15	23:00:00	1845.9	70.6	55.2	59.5
04/15/15	00:00:00	1846.3	70.6	52.6	57.9
04/15/15	01:00:00	1846.6	70.3	50.2	56.4
04/15/15	02:00:00	1846.7	70.0	48.7	55.3
04/15/15	03:00:00	1846.7	69.9	48.4	54.6
04/15/15	04:00:00	1847.2	69.9	47.3	53.7
04/15/15	05:00:00	1847.3	69.8	47.1	53.1
04/15/15	06:00:00	1847.3	69.8	47.8	52.9
04/15/15	07:00:00	1847.6	69.8	47.9	52.5
04/15/15	08:00:00	1848.1	70.1	49.8	52.9
04/15/15	09:00:00	1848.2	70.6	55.4	55.4
04/15/15	10:00:00	1848.5	71.2	61.4	58.7
04/15/15	11:00:00	1848.6	71.3	66.0	61.9
04/15/15	12:00:00	1848.8	71.3	69.9	65.0
04/15/15	13:00:00	1848.9	71.5	73.3	68.1
04/15/15	14:00:00	1848.9	71.6	76.9	70.9
04/15/15	15:00:00	1848.9	71.4	80.7	73.6
04/15/15	16:00:00	1848.9	71.4	84.1	76.9

**Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly**

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
04/15/15	17:00:00	1849.0	71.8	86.2	79.9
04/15/15	18:00:00	1849.5	71.9	86.5	80.3
04/15/15	19:00:00	1849.4	71.9	85.0	75.9
04/15/15	20:00:00	1849.6	72.0	79.9	72.3
04/15/15	21:00:00	1849.7	71.9	72.9	69.2
04/15/15	22:00:00	1849.7	71.6	66.8	66.1
04/15/15	23:00:00	1849.7	71.3	61.9	63.6
04/16/15	00:00:00	1849.9	71.3	58.8	61.6
04/16/15	01:00:00	1850.2	71.1	56.1	59.8
04/16/15	02:00:00	1850.3	71.0	53.9	58.5
04/16/15	03:00:00	1850.2	70.7	51.5	57.1
04/16/15	04:00:00	1850.3	70.6	49.7	56.0
04/16/15	05:00:00	1850.8	70.6	47.7	54.8
04/16/15	06:00:00	1851.0	70.6	45.8	53.7
04/16/15	07:00:00	1851.1	70.6	44.3	53.0
04/16/15	08:00:00	1851.5	70.6	45.6	53.1
04/16/15	09:00:00	1851.8	71.3	53.1	55.8
04/16/15	10:00:00	1851.8	71.7	62.2	59.8
04/16/15	11:00:00	1851.9	71.9	70.7	63.8
04/16/15	12:00:00	1851.9	72.2	78.0	68.0
04/16/15	13:00:00	1851.9	72.7	83.4	72.1
04/16/15	14:00:00	1850.3	72.6	88.1	75.6
04/16/15	15:00:00	1847.6	72.5	93.0	78.8
04/16/15	16:00:00	1846.3	72.6	96.7	82.5
04/16/15	17:00:00	1845.5	72.6	98.6	85.9
04/16/15	18:00:00	1844.6	72.6	99.3	86.7
04/16/15	19:00:00	1843.7	72.7	98.3	82.4
04/16/15	20:00:00	1842.9	73.1	94.4	78.9
04/16/15	21:00:00	1842.2	72.7	86.3	75.2
04/16/15	22:00:00	1841.5	72.7	76.7	71.4
04/16/15	23:00:00	1840.9	72.3	68.7	68.1
04/17/15	00:00:00	1840.5	71.9	64.5	65.9
04/17/15	01:00:00	1840.0	71.9	62.1	64.4
04/17/15	02:00:00	1839.3	71.9	59.5	62.7
04/17/15	03:00:00	1838.9	71.7	56.3	61.1
04/17/15	04:00:00	1838.6	71.3	53.5	59.6
04/17/15	05:00:00	1838.1	71.2	51.4	58.4
04/17/15	06:00:00	1837.7	71.2	49.6	57.2
04/17/15	07:00:00	1837.2	71.2	47.8	56.2
04/17/15	08:00:00	1837.2	71.3	49.0	56.1
04/17/15	09:00:00	1837.1	71.9	56.2	58.6
04/17/15	10:00:00	1836.8	72.4	65.7	62.6
04/17/15	11:00:00	1836.5	72.6	75.0	66.8
04/17/15	12:00:00	1836.3	73.0	82.6	71.1
04/17/15	13:00:00	1835.9	73.2	87.8	75.0
04/17/15	14:00:00	1835.6	73.2	92.0	78.4
04/17/15	15:00:00	1835.2	73.2	95.4	81.5
04/17/15	16:00:00	1834.9	73.3	98.1	85.1
04/17/15	17:00:00	1834.3	73.4	99.8	88.2
04/17/15	18:00:00	1834.2	73.6	98.8	88.5
04/17/15	19:00:00	1833.9	73.5	95.7	83.5
04/17/15	20:00:00	1833.5	73.8	89.6	79.4
04/17/15	21:00:00	1833.5	73.3	81.5	75.6
04/17/15	22:00:00	1833.2	73.3	74.6	72.4
04/17/15	23:00:00	1832.8	72.9	68.8	69.4
04/18/15	00:00:00	1832.7	72.7	65.0	67.1
04/18/15	01:00:00	1832.5	72.7	61.3	64.9
04/18/15	02:00:00	1832.0	72.5	58.0	63.1
04/18/15	03:00:00	1832.0	72.3	55.4	61.6
04/18/15	04:00:00	1831.9	72.0	53.4	60.4
04/18/15	05:00:00	1831.8	72.0	51.9	59.4
04/18/15	06:00:00	1832.1	72.0	51.0	58.6
04/18/15	07:00:00	1832.8	72.1	52.5	59.0
04/18/15	08:00:00	1833.1	72.5	57.7	61.0
04/18/15	09:00:00	1833.5	72.8	62.9	62.9
04/18/15	10:00:00	1833.8	73.1	68.2	64.9
04/18/15	11:00:00	1834.0	73.4	73.8	67.2
04/18/15	12:00:00	1834.4	73.8	80.6	70.9
04/18/15	13:00:00	1835.0	74.3	85.7	74.7
04/18/15	14:00:00	1835.5	74.3	90.0	78.1
04/18/15	15:00:00	1835.7	74.2	95.1	81.4
04/18/15	16:00:00	1836.0	74.3	100.1	85.4
04/18/15	17:00:00	1837.1	74.3	102.7	89.0
04/18/15	18:00:00	1837.5	74.5	103.4	89.9
04/18/15	19:00:00	1837.9	74.8	99.3	85.0
04/18/15	20:00:00	1838.4	74.8	91.2	80.5
04/18/15	21:00:00	1838.6	74.4	82.5	76.7
04/18/15	22:00:00	1839.0	74.3	74.8	73.1
04/18/15	23:00:00	1839.3	74.0	69.4	70.3
04/19/15	00:00:00	1839.8	73.6	66.2	68.3
04/19/15	01:00:00	1840.1	73.5	64.0	66.9
04/19/15	02:00:00	1840.5	73.4	61.6	65.3
04/19/15	03:00:00	1840.7	73.4	59.3	64.0
04/19/15	04:00:00	1841.1	73.3	57.3	62.7
04/19/15	05:00:00	1841.4	73.3	55.7	61.6
04/19/15	06:00:00	1841.6	73.1	54.2	60.7
04/19/15	07:00:00	1842.0	73.2	52.9	59.8
04/19/15	08:00:00	1842.2	73.3	54.1	59.7
04/19/15	09:00:00	1842.8	73.6	58.6	61.1

**Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly**

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
04/19/15	10:00:00	1843.0	74.2	64.1	63.6
04/19/15	11:00:00	1843.1	74.4	71.1	67.2
04/19/15	12:00:00	1843.4	74.7	77.8	71.0
04/19/15	13:00:00	1843.6	74.8	82.8	74.7
04/19/15	14:00:00	1843.7	74.8	86.6	78.0
04/19/15	15:00:00	1843.7	74.9	91.3	81.1
04/19/15	16:00:00	1843.7	75.0	96.8	85.1
04/19/15	17:00:00	1843.7	75.2	100.0	88.6
04/19/15	18:00:00	1843.8	75.7	99.9	89.1
04/19/15	19:00:00	1844.0	75.7	94.3	83.6
04/19/15	20:00:00	1844.3	75.6	84.2	78.1
04/19/15	21:00:00	1844.4	74.9	74.4	73.6
04/19/15	22:00:00	1844.4	74.8	67.7	70.0
04/19/15	23:00:00	1844.5	74.4	64.0	67.7
04/20/15	00:00:00	1844.9	74.3	61.9	66.0
04/20/15	01:00:00	1845.0	74.3	59.9	64.6
04/20/15	02:00:00	1845.1	74.3	57.8	63.2
04/20/15	03:00:00	1845.1	74.2	56.0	61.8
04/20/15	04:00:00	1845.1	74.1	54.6	60.7
04/20/15	05:00:00	1845.4	73.9	53.5	59.6
04/20/15	06:00:00	1845.8	73.5	52.7	58.6
04/20/15	07:00:00	1845.9	73.6	52.1	57.9
04/20/15	08:00:00	1845.9	74.1	53.8	58.1
04/20/15	09:00:00	1846.1	74.5	58.7	60.1
04/20/15	10:00:00	1846.0	74.9	63.8	62.9
04/20/15	11:00:00	1846.3	75.0	68.3	65.8
04/20/15	12:00:00	1845.4	75.3	72.7	68.9
04/20/15	13:00:00	1845.1	75.6	76.4	71.9
04/20/15	14:00:00	1846.5	75.7	79.7	74.7
04/20/15	15:00:00	1846.7	75.7	83.2	77.2
04/20/15	16:00:00	1847.3	75.8	85.5	79.8
04/20/15	17:00:00	1847.3	75.8	85.9	81.7
04/20/15	18:00:00	1847.6	76.2	82.1	78.3
04/20/15	19:00:00	1848.0	75.9	76.3	74.5
04/20/15	20:00:00	1848.0	75.8	70.2	70.8
04/20/15	21:00:00	1848.3	75.4	64.9	67.5
04/20/15	22:00:00	1848.7	75.0	61.2	65.1
04/20/15	23:00:00	1848.8	74.9	58.5	63.2
04/21/15	00:00:00	1849.1	74.9	56.3	61.5
04/21/15	01:00:00	1849.1	74.8	54.8	60.2
04/21/15	02:00:00	1848.7	74.7	53.9	59.2
04/21/15	03:00:00	1848.7	74.6	53.3	58.5
04/21/15	04:00:00	1848.9	74.4	52.8	57.9
04/21/15	05:00:00	1849.6	74.4	52.4	57.3
04/21/15	06:00:00	1849.7	74.5	51.9	57.0
04/21/15	07:00:00	1850.2	74.6	51.7	56.6
04/21/15	08:00:00	1850.2	74.8	53.1	56.8
04/21/15	09:00:00	1851.0	75.1	56.9	58.6
04/21/15	10:00:00	1851.1	75.6	61.6	61.2
04/21/15	11:00:00	1851.2	76.0	68.0	64.7
04/21/15	12:00:00	1851.0	76.3	73.8	68.1
04/21/15	13:00:00	1850.5	76.3	77.3	71.0
04/21/15	14:00:00	1850.1	76.3	79.2	73.4
04/21/15	15:00:00	1851.1	76.3	80.7	75.1
04/21/15	16:00:00	1851.1	76.4	81.7	77.0
04/21/15	17:00:00	1851.4	76.8	81.6	77.4
04/21/15	18:00:00	1851.7	76.8	78.7	75.5
04/21/15	19:00:00	1851.7	76.6	73.4	72.0
04/21/15	20:00:00	1851.8	76.4	68.0	68.6
04/21/15	21:00:00	1851.7	76.3	63.0	65.8
04/21/15	22:00:00	1851.7	76.0	59.4	64.0
04/21/15	23:00:00	1852.3	75.8	56.9	62.5
04/22/15	00:00:00	1852.5	75.8	54.9	61.3
04/22/15	01:00:00	1852.5	75.8	53.3	60.3
04/22/15	02:00:00	1852.7	75.8	51.9	59.5
04/22/15	03:00:00	1853.2	75.8	50.9	58.7
04/22/15	04:00:00	1853.2	75.7	50.0	58.0
04/22/15	05:00:00	1853.2	75.7	49.2	57.4
04/22/15	06:00:00	1853.6	75.7	48.8	56.7
04/22/15	07:00:00	1853.8	75.7	49.7	56.8
04/22/15	08:00:00	1853.9	75.8	51.7	57.4
04/22/15	09:00:00	1854.0	76.1	56.3	59.1
04/22/15	10:00:00	1854.3	76.1	60.3	61.1
04/22/15	11:00:00	1854.6	76.8	64.6	63.3
04/22/15	12:00:00	1854.7	77.2	71.7	66.8
04/22/15	13:00:00	1854.4	77.4	77.5	70.4
04/22/15	14:00:00	1853.9	77.8	82.7	73.9
04/22/15	15:00:00	1853.4	77.7	88.6	77.3
04/22/15	16:00:00	1852.9	78.0	93.7	81.0
04/22/15	17:00:00	1853.7	78.0	93.8	81.9
04/22/15	18:00:00	1853.9	78.0	94.1	83.4
04/22/15	19:00:00	1854.1	78.5	91.2	80.7
04/22/15	20:00:00	1854.5	78.3	81.0	75.6

**Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly**

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
04/22/15	21:00:00	1854.6	77.9	72.9	72.0
04/22/15	22:00:00	1854.7	77.9	67.7	69.2
04/22/15	23:00:00	1854.9	77.6	64.1	67.0
04/23/15	00:00:00	1855.2	77.3	61.6	65.4
04/23/15	01:00:00	1855.3	77.2	59.9	64.3
04/23/15	02:00:00	1855.4	77.2	58.0	63.1
04/23/15	03:00:00	1855.5	77.2	56.0	61.9
04/23/15	04:00:00	1856.2	77.2	54.2	60.9
04/23/15	05:00:00	1856.2	77.2	53.0	60.1
04/23/15	06:00:00	1856.2	77.2	51.9	59.3
04/23/15	07:00:00	1856.3	77.0	50.8	58.5
04/23/15	08:00:00	1856.8	77.2	52.0	58.6
04/23/15	09:00:00	1856.9	77.9	58.0	60.6
04/23/15	10:00:00	1857.2	78.4	65.7	63.8
04/23/15	11:00:00	1857.6	78.6	72.9	67.1
04/23/15	12:00:00	1857.7	78.7	78.2	70.4
04/23/15	13:00:00	1857.7	79.2	82.3	73.6
04/23/15	14:00:00	1857.7	79.3	85.3	76.5
04/23/15	15:00:00	1857.7	79.3	88.3	79.3
04/23/15	16:00:00	1857.7	79.3	90.7	82.3
04/23/15	17:00:00	1857.7	79.4	89.6	83.5
04/23/15	18:00:00	1857.7	79.4	84.1	80.7
04/23/15	19:00:00	1857.7	79.4	80.2	77.0
04/23/15	20:00:00	1857.8	79.4	74.4	73.3
04/23/15	21:00:00	1858.0	79.0	69.8	70.8
04/23/15	22:00:00	1858.4	78.7	65.5	68.2
04/23/15	23:00:00	1858.4	78.7	62.2	66.2
04/24/15	00:00:00	1858.4	78.7	60.0	64.8
04/24/15	01:00:00	1858.5	78.7	59.8	63.8
04/24/15	02:00:00	1858.7	78.7	60.1	63.2
04/24/15	03:00:00	1859.0	78.7	59.5	62.3
04/24/15	04:00:00	1859.1	78.5	58.3	61.3
04/24/15	05:00:00	1859.1	78.4	57.1	60.4
04/24/15	06:00:00	1859.1	78.4	55.9	59.6
04/24/15	07:00:00	1857.6	78.3	55.4	59.2
04/24/15	08:00:00	1854.8	78.6	57.6	59.8
04/24/15	09:00:00	1854.0	78.6	59.4	60.8
04/24/15	10:00:00	1853.2	78.9	62.8	62.8
04/24/15	11:00:00	1852.5	79.3	67.4	65.7
04/24/15	12:00:00	1852.0	79.6	71.7	68.7
04/24/15	13:00:00	1851.4	80.0	74.9	71.5
04/24/15	14:00:00	1850.7	80.0	77.7	73.9
04/24/15	15:00:00	1852.0	80.0	79.7	75.6
04/24/15	16:00:00	1853.6	80.0	80.1	77.1
04/24/15	17:00:00	1854.3	80.1	80.0	78.3
04/24/15	18:00:00	1854.7	80.2	76.8	75.1
04/24/15	19:00:00	1855.3	80.1	70.0	70.7
04/24/15	20:00:00	1855.4	80.0	65.0	67.5
04/24/15	21:00:00	1856.1	79.5	61.6	65.2
04/24/15	22:00:00	1856.3	79.4	59.9	64.1
04/24/15	23:00:00	1856.7	79.4	58.8	63.2
04/25/15	00:00:00	1856.8	79.4	56.5	61.9
04/25/15	01:00:00	1856.8	79.3	54.7	60.3
04/25/15	02:00:00	1857.5	79.2	54.1	59.1
04/25/15	03:00:00	1857.7	79.3	54.2	58.2
04/25/15	04:00:00	1857.8	79.2	53.8	57.8
04/25/15	05:00:00	1858.4	79.1	53.7	57.5
04/25/15	06:00:00	1858.4	79.3	53.8	57.3
04/25/15	07:00:00	1858.5	79.3	53.1	56.5
04/25/15	08:00:00	1859.1	79.4	54.8	57.0
04/25/15	09:00:00	1859.2	80.0	59.0	58.8
04/25/15	10:00:00	1859.5	80.0	62.8	61.0
04/25/15	11:00:00	1859.8	80.0	65.0	62.5
04/25/15	12:00:00	1859.9	80.3	67.9	64.6
04/25/15	13:00:00	1859.9	80.5	70.0	66.0
04/25/15	14:00:00	1859.9	80.8	72.1	67.6
04/25/15	15:00:00	1859.9	80.6	75.4	69.7
04/25/15	16:00:00	1860.4	80.9	79.1	72.9
04/25/15	17:00:00	1860.5	80.9	81.0	75.7
04/25/15	18:00:00	1860.5	81.0	80.2	75.6
04/25/15	19:00:00	1860.6	80.9	77.5	72.1
04/25/15	20:00:00	1860.6	81.1	71.6	68.2
04/25/15	21:00:00	1861.0	80.9	65.4	65.5
04/25/15	22:00:00	1861.3	80.9	61.3	63.5
04/25/15	23:00:00	1861.3	80.7	58.3	61.7
04/26/15	00:00:00	1861.3	80.4	56.6	60.2
04/26/15	01:00:00	1861.7	80.4	55.4	59.1
04/26/15	02:00:00	1861.9	80.2	54.3	58.1
04/26/15	03:00:00	1862.0	80.2	53.1	57.3
04/26/15	04:00:00	1862.0	80.2	52.0	56.6
04/26/15	05:00:00	1862.3	80.2	50.9	56.0

**Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly**

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
04/26/15	06:00:00	1862.6	80.1	50.0	55.5
04/26/15	07:00:00	1862.8	80.1	49.3	55.1
04/26/15	08:00:00	1863.0	80.8	52.0	55.6
04/26/15	09:00:00	1863.2	81.4	58.4	58.4
04/26/15	10:00:00	1863.4	81.6	64.8	61.6
04/26/15	11:00:00	1863.4	82.3	70.1	64.5
04/26/15	12:00:00	1863.4	82.4	74.3	67.4
04/26/15	13:00:00	1863.4	82.4	77.9	70.2
04/26/15	14:00:00	1863.4	82.5	80.8	72.8
04/26/15	15:00:00	1863.4	82.4	84.6	75.6
04/26/15	16:00:00	1863.5	82.5	88.1	78.8
04/26/15	17:00:00	1863.4	82.8	89.7	81.8
04/26/15	18:00:00	1863.5	83.0	89.8	82.6
04/26/15	19:00:00	1863.6	83.0	86.6	78.4
04/26/15	20:00:00	1864.1	83.0	80.1	74.2
04/26/15	21:00:00	1864.3	83.0	72.6	70.6
04/26/15	22:00:00	1864.3	82.7	67.3	67.9
04/26/15	23:00:00	1864.3	82.5	63.8	65.9
04/27/15	00:00:00	1864.6	82.4	61.4	64.3
04/27/15	01:00:00	1864.7	82.4	59.8	63.2
04/27/15	02:00:00	1864.8	82.4	58.7	62.3
04/27/15	03:00:00	1864.9	82.4	57.5	61.5
04/27/15	04:00:00	1864.9	82.4	56.1	60.7
04/27/15	05:00:00	1864.9	82.4	55.5	60.0
04/27/15	06:00:00	1865.3	82.4	55.3	59.6
04/27/15	07:00:00	1865.4	82.4	54.2	58.9
04/27/15	08:00:00	1865.7	82.7	56.3	59.5
04/27/15	09:00:00	1865.8	83.3	63.7	62.3
04/27/15	10:00:00	1866.0	83.8	71.4	65.8
04/27/15	11:00:00	1866.3	84.1	78.3	69.1
04/27/15	12:00:00	1866.4	84.5	84.5	72.6
04/27/15	13:00:00	1866.5	84.5	89.7	76.0
04/27/15	14:00:00	1866.4	84.9	94.3	79.2
04/27/15	15:00:00	1866.4	84.8	98.9	82.4
04/27/15	16:00:00	1866.3	85.0	103.5	86.4
04/27/15	17:00:00	1866.4	85.3	106.5	89.9
04/27/15	18:00:00	1866.4	85.3	108.1	90.9
04/27/15	19:00:00	1866.4	85.4	107.9	87.7
04/27/15	20:00:00	1866.4	85.9	102.7	83.9
04/27/15	21:00:00	1866.4	85.4	91.6	80.0
04/27/15	22:00:00	1866.5	85.3	82.5	76.3
04/27/15	23:00:00	1866.7	85.2	75.4	73.5
04/28/15	00:00:00	1867.0	84.9	70.8	71.1
04/28/15	01:00:00	1867.1	84.6	66.8	68.7
04/28/15	02:00:00	1867.1	84.6	63.4	66.8
04/28/15	03:00:00	1867.1	84.6	60.5	65.2
04/28/15	04:00:00	1867.5	84.5	58.0	63.8
04/28/15	05:00:00	1867.7	84.4	55.9	62.6
04/28/15	06:00:00	1867.8	84.3	54.2	61.5
04/28/15	07:00:00	1867.9	84.2	52.9	60.5
04/28/15	08:00:00	1868.3	84.6	55.6	61.0
04/28/15	09:00:00	1868.6	85.2	63.0	63.7
04/28/15	10:00:00	1868.6	85.6	71.3	67.2
04/28/15	11:00:00	1868.6	86.0	78.6	70.7
04/28/15	12:00:00	1868.6	86.2	83.7	74.0
04/28/15	13:00:00	1868.6	86.5	87.5	77.3
04/28/15	14:00:00	1868.6	86.7	91.2	80.4
04/28/15	15:00:00	1868.5	86.7	95.1	83.4
04/28/15	16:00:00	1868.5	86.7	98.2	86.6
04/28/15	17:00:00	1868.5	86.8	97.8	88.6
04/28/15	18:00:00	1868.6	87.0	97.0	88.7
04/28/15	19:00:00	1868.5	87.0	92.4	83.8
04/28/15	20:00:00	1868.8	87.0	85.2	79.2
04/28/15	21:00:00	1869.0	86.7	77.6	75.5
04/28/15	22:00:00	1869.1	86.6	72.2	72.7
04/28/15	23:00:00	1869.3	86.2	67.5	69.9
04/29/15	00:00:00	1869.3	86.0	63.4	67.5
04/29/15	01:00:00	1869.4	86.0	59.6	65.3
04/29/15	02:00:00	1869.7	85.8	56.5	63.6
04/29/15	03:00:00	1869.9	85.5	54.0	62.1
04/29/15	04:00:00	1870.0	85.4	52.0	60.8
04/29/15	05:00:00	1870.0	85.3	50.8	59.8
04/29/15	06:00:00	1870.0	85.3	49.6	59.0

**Attachment 2a - Continuous Monitoring Device Data for Piacentine 1-27 - Hourly**

Instrument Tag #:		PIT-016A	PIT-016B	TIT-016A	TIT-016B
Date	Description: Time	Tubing Pressure PSIG	Annulus Pressure PSIG	Tubing Temperature °F	Annulus Temperature °F
04/29/15	07:00:00	1870.3	85.3	48.8	58.4
04/29/15	08:00:00	(5)	85.8	52.1	59.1
04/29/15	09:00:00	(5)	(5)	60.1	62.1
04/29/15	10:00:00	(5)	(5)	68.2	65.7
04/29/15	11:00:00	(5)	(5)	74.7	69.2
04/29/15	12:00:00	(5)	(5)	79.9	72.7
04/29/15	13:00:00	(5)	(5)	82.2	74.6
04/29/15	14:00:00	(5)	85.2	86.1	77.4
04/29/15	15:00:00	1861.1	87.8	91.2	80.8
04/29/15	16:00:00	1860.7	87.8	95.4	84.7
04/29/15	17:00:00	1860.8	88.2	98.2	88.3
04/29/15	18:00:00	1860.8	88.2	98.6	89.2
04/29/15	19:00:00	1860.8	88.2	96.7	85.4
04/29/15	20:00:00	1860.9	88.2	91.8	81.2
04/29/15	21:00:00	1861.0	88.1	83.6	77.5
04/29/15	22:00:00	1861.2	87.7	76.2	74.1
04/29/15	23:00:00	1861.2	87.6	70.5	71.2
04/30/15	00:00:00	1861.2	87.6	66.5	69.1
04/30/15	01:00:00	1861.3	87.4	63.1	67.1
04/30/15	02:00:00	1861.3	87.0	60.0	65.4
04/30/15	03:00:00	1861.5	86.8	57.5	64.0
04/30/15	04:00:00	1861.8	86.7	55.5	62.8
04/30/15	05:00:00	1862.0	86.7	53.8	61.7
04/30/15	06:00:00	1862.0	86.7	53.2	60.9
04/30/15	07:00:00	1862.0	86.8	52.6	60.4
04/30/15	08:00:00	1862.7	87.5	55.3	61.0
04/30/15	09:00:00	1862.8	88.1	63.3	63.8
04/30/15	10:00:00	1862.8	88.6	71.9	67.4
04/30/15	11:00:00	1862.8	89.0	79.5	71.0
04/30/15	12:00:00	1862.8	89.3	85.9	74.7
04/30/15	13:00:00	1862.8	89.6	90.8	78.3
04/30/15	14:00:00	1862.8	90.3	94.3	81.0
04/30/15	15:00:00	1756.7	90.5	94.5	81.3
04/30/15	16:00:00	1413.9	90.4	101.7	87.7
04/30/15	17:00:00	1861.0	90.5	108.0	91.5
04/30/15	18:00:00	1860.5	90.7	109.8	92.7
04/30/15	19:00:00	1860.0	90.8	109.3	89.1
04/30/15	20:00:00	1859.7	91.1	105.2	84.9
04/30/15	21:00:00	1859.3	90.7	95.4	80.8
04/30/15	22:00:00	1859.2	90.5	85.9	77.2
04/30/15	23:00:00	1859.1	90.5	77.9	74.2
05/01/15	00:00:00	1859.2	90.4	71.7	71.5
Monthly Statistics					
February Average:		1712.8	74.9	57.9	57.7
February Minimum:		1687.7	70.5	32.8	43.1
February Maximum:		1744.1	82.4	90.8	76.4
March Average:		1786.7	69.8	65.9	64.4
March Minimum:		1736.9	68.1	37.0	46.7
March Maximum:		1827.5	72.9	106.3	90.2
April Average:		1842.0	74.3	66.2	65.5
April Minimum:		1806.5	67.9	38.0	48.1
April Maximum:		1871.0	91.3	110.1	92.9

Notes:

- 1) Data are missing on 3/8/15 at 02:00:00 hours because this hour was lost due to daylight savings time.
- 2) Data are missing on 3/30/15 at 14:00:00 hours because the BHP tools were installed in the well for the mid-bubblebuild pressure survey and the pressure transmitter was taken out of service.
- 3) Data are missing on 4/3/15 at 08:00:00 hours because the BHP tools were retrieved and the pressure transmitter was taken out of service.
- 4) Data are missing on 4/4/15 from 09:00:00 hours to 16:00:00 hours because the Halliburton TMDL log was run in the well and the pressure transmitter was taken out of service.
- 5) Data are missing on 4/29/15 from 08:00:00 hours to 14:00:00 hours because the Piacentine 1-27 wellhead was out of service due to conducting temperature logging in the well.

## ATTACHMENT 3

Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/08/15	01:00:00	0.0	1694.0	193.0	1887.0	Producing
02/08/15	02:00:00	0.0	1697.2	193.0	1890.2	Producing
02/08/15	03:00:00	0.0	1698.4	193.0	1891.4	Producing
02/08/15	04:00:00	0.0	1695.5	193.0	1888.5	Producing
02/08/15	05:00:00	0.0	1694.9	193.0	1887.9	Producing
02/08/15	06:00:00	0.0	1697.9	193.0	1890.9	Producing
02/08/15	07:00:00	0.0	1698.2	193.0	1891.2	Producing
02/08/15	08:00:00	0.0	1698.1	193.0	1891.1	Producing
02/08/15	09:00:00	0.0	1697.1	193.0	1890.1	Producing
02/08/15	10:00:00	0.0	1694.9	193.0	1887.9	Producing
02/08/15	11:00:00	0.0	1697.3	193.0	1890.3	Producing
02/08/15	12:00:00	0.0	1698.8	193.0	1891.8	Producing
02/08/15	13:00:00	0.0	1695.1	193.0	1888.1	Producing
02/08/15	14:00:00	0.0	1695.5	193.0	1888.5	Producing
02/08/15	15:00:00	0.0	1696.9	193.0	1889.9	Producing
02/08/15	16:00:00	0.0	1695.4	193.0	1888.4	Producing
02/08/15	17:00:00	0.0	1697.2	193.0	1890.2	Producing
02/08/15	18:00:00	0.0	1697.9	193.0	1890.9	Producing
02/08/15	19:00:00	0.0	1693.9	193.0	1886.9	Producing
02/08/15	20:00:00	0.0	1694.6	193.0	1887.6	Producing
02/08/15	21:00:00	0.0	1695.8	193.0	1888.8	Producing
02/08/15	22:00:00	0.0	1693.5	193.0	1886.5	Producing
02/08/15	23:00:00	0.0	1694.6	193.0	1887.6	Producing
02/09/15	00:00:00	0.0	1695.1	193.0	1888.1	Producing
02/09/15	01:00:00	0.0	1698.2	193.0	1891.2	Producing
02/09/15	02:00:00	0.0	1694.5	193.0	1887.5	Producing
02/09/15	03:00:00	0.0	1693.5	193.0	1886.5	Producing
02/09/15	04:00:00	0.0	1695.1	193.0	1888.1	Producing
02/09/15	05:00:00	0.0	1697.3	193.0	1890.3	Producing
02/09/15	06:00:00	0.0	1696.8	193.0	1889.8	Producing
02/09/15	07:00:00	0.0	1694.4	193.0	1887.4	Producing
02/09/15	08:00:00	0.0	1694.4	193.0	1887.4	Producing
02/09/15	09:00:00	0.0	1695.2	193.0	1888.2	Producing
02/09/15	10:00:00	0.0	1699.9	193.0	1892.9	Producing
02/09/15	11:00:00	0.0	1699.6	193.0	1892.6	Producing
02/09/15	12:00:00	0.0	1699.6	193.0	1892.6	Producing
02/09/15	13:00:00	0.0	1699.4	193.0	1892.4	Producing
02/09/15	14:00:00	0.0	1699.1	193.0	1892.1	Producing
02/09/15	15:00:00	0.0	1697.5	193.0	1890.5	Producing
02/09/15	16:00:00	0.0	1696.7	193.0	1889.7	Producing
02/09/15	17:00:00	0.0	1697.6	193.0	1890.6	Producing
02/09/15	18:00:00	0.0	1692.4	193.0	1885.4	Producing
02/09/15	19:00:00	0.0	1693.6	193.0	1886.6	Producing
02/09/15	20:00:00	0.0	1693.9	193.0	1886.9	Producing
02/09/15	21:00:00	0.0	1694.1	193.0	1887.1	Producing
02/09/15	22:00:00	0.0	1694.2	193.0	1887.2	Producing
02/09/15	23:00:00	0.0	1694.8	193.0	1887.8	Producing
02/10/15	00:00:00	0.0	1692.9	193.0	1885.9	Producing
02/10/15	01:00:00	0.0	1684.7	193.0	1877.7	Producing
02/10/15	02:00:00	0.0	1686.3	193.0	1879.3	Producing
02/10/15	03:00:00	0.0	1682.7	193.0	1875.7	Producing
02/10/15	04:00:00	0.0	1679.6	193.0	1872.6	Producing
02/10/15	05:00:00	0.0	1674.9	193.0	1867.9	Producing
02/10/15	06:00:00	0.0	1666.5	193.0	1859.5	Producing
02/10/15	07:00:00	0.0	1659.4	193.0	1852.4	Producing
02/10/15	08:00:00	0.0	1655.5	193.0	1848.5	Producing
02/10/15	09:00:00	0.0	1669.1	193.0	1862.1	Producing
02/10/15	10:00:00	0.0	1712.8	193.0	1905.8	Producing
02/10/15	11:00:00	0.0	1702.4	193.0	1895.4	Producing
02/10/15	12:00:00	0.0	1698.6	193.0	1891.6	Producing
02/10/15	13:00:00	0.0	1695.6	193.0	1888.6	Producing
02/10/15	14:00:00	0.0	1699.7	193.0	1892.7	Producing
02/10/15	15:00:00	0.0	1697.1	193.0	1890.1	Producing
02/10/15	16:00:00	0.0	1695.5	193.0	1888.5	Producing
02/10/15	17:00:00	0.0	1694.9	193.0	1887.9	Producing
02/10/15	18:00:00	0.0	1694.9	193.0	1887.9	Producing
02/10/15	19:00:00	0.0	1693.6	193.0	1886.6	Producing
02/10/15	20:00:00	0.0	1694.1	193.0	1887.1	Producing
02/10/15	21:00:00	0.0	1694.2	193.0	1887.2	Producing
02/10/15	22:00:00	0.0	1692.0	193.0	1885.0	Producing
02/10/15	23:00:00	0.0	1678.2	193.0	1871.2	Producing
02/11/15	00:00:00	0.0	1666.3	193.0	1859.3	Producing
02/11/15	01:00:00	0.0	1662.6	193.0	1855.6	Producing
02/11/15	02:00:00	0.0	1651.1	193.0	1844.1	Producing

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/11/15	03:00:00	0.0	1646.1	193.0	1839.1	Producing
02/11/15	04:00:00	0.0	1641.4	193.0	1834.4	Producing
02/11/15	05:00:00	0.0	1637.5	193.0	1830.5	Producing
02/11/15	06:00:00	0.0	1631.7	193.0	1824.7	Producing
02/11/15	07:00:00	0.0	1626.3	193.0	1819.3	Producing
02/11/15	08:00:00	0.0	1620.6	193.0	1813.6	Producing
02/11/15	09:00:00	0.0	1633.7	193.0	1826.7	Producing
02/11/15	10:00:00	0.0	1688.7	193.0	1881.7	Producing
02/11/15	11:00:00	0.0	1704.4	193.0	1897.4	Producing
02/11/15	12:00:00	0.0	1699.8	193.0	1892.8	Producing
02/11/15	13:00:00	0.0	1700.1	193.0	1893.1	Producing
02/11/15	14:00:00	0.0	1696.0	193.0	1889.0	Producing
02/11/15	15:00:00	0.0	1700.8	193.0	1893.8	Producing
02/11/15	16:00:00	0.0	1696.9	193.0	1889.9	Producing
02/11/15	17:00:00	0.0	1692.9	193.0	1885.9	Producing
02/11/15	18:00:00	0.0	1691.7	193.0	1884.7	Producing
02/11/15	19:00:00	0.0	1692.6	193.0	1885.6	Producing
02/11/15	20:00:00	0.0	1693.7	193.0	1886.7	Producing
02/11/15	21:00:00	0.0	1693.8	193.0	1886.8	Producing
02/11/15	22:00:00	0.0	1693.9	193.0	1886.9	Producing
02/11/15	23:00:00	0.0	1693.9	193.0	1886.9	Producing
02/12/15	00:00:00	0.0	1692.1	193.0	1885.1	Producing
02/12/15	01:00:00	0.0	1685.7	193.0	1878.7	Producing
02/12/15	02:00:00	0.0	1680.1	193.0	1873.1	Producing
02/12/15	03:00:00	0.0	1675.4	193.0	1868.4	Producing
02/12/15	04:00:00	0.0	1665.4	193.0	1858.4	Producing
02/12/15	05:00:00	0.0	1658.1	193.0	1851.1	Producing
02/12/15	06:00:00	0.0	1657.4	193.0	1850.4	Producing
02/12/15	07:00:00	0.0	1650.9	193.0	1843.9	Producing
02/12/15	08:00:00	0.0	1645.1	193.0	1838.1	Producing
02/12/15	09:00:00	0.0	1658.3	193.0	1851.3	Producing
02/12/15	10:00:00	0.0	1702.2	193.0	1895.2	Producing
02/12/15	11:00:00	0.0	1700.4	193.0	1893.4	Producing
02/12/15	12:00:00	0.0	1699.4	193.0	1892.4	Producing
02/12/15	13:00:00	0.0	1698.7	193.0	1891.7	Producing
02/12/15	14:00:00	0.0	1699.5	193.0	1892.5	Producing
02/12/15	15:00:00	0.0	1698.7	193.0	1891.7	Producing
02/12/15	16:00:00	0.0	1699.4	193.0	1892.4	Producing
02/12/15	17:00:00	0.0	1698.2	193.0	1891.2	Producing
02/12/15	18:00:00	0.0	1691.8	193.0	1884.8	Producing
02/12/15	19:00:00	0.0	1692.7	193.0	1885.7	Producing
02/12/15	20:00:00	0.0	1694.1	193.0	1887.1	Producing
02/12/15	21:00:00	0.0	1694.7	193.0	1887.7	Producing
02/12/15	22:00:00	0.0	1694.9	193.0	1887.9	Producing
02/12/15	23:00:00	0.0	1695.0	193.0	1888.0	Producing
02/13/15	00:00:00	0.0	1695.1	193.0	1888.1	Producing
02/13/15	01:00:00	0.0	1695.1	193.0	1888.1	Producing
02/13/15	02:00:00	0.0	1693.0	193.0	1886.0	Producing
02/13/15	03:00:00	0.0	1684.0	193.0	1877.0	Producing
02/13/15	04:00:00	0.0	1675.4	193.0	1868.4	Producing
02/13/15	05:00:00	0.0	1665.7	193.0	1858.7	Producing
02/13/15	06:00:00	0.0	1658.5	193.0	1851.5	Producing
02/13/15	07:00:00	0.0	1652.6	193.0	1845.6	Producing
02/13/15	08:00:00	0.0	1649.5	193.0	1842.5	Producing
02/13/15	09:00:00	0.0	1657.9	193.0	1850.9	Producing
02/13/15	10:00:00	0.0	1696.9	193.0	1889.9	Producing
02/13/15	11:00:00	0.0	1699.8	193.0	1892.8	Producing
02/13/15	12:00:00	0.0	1699.3	193.0	1892.3	Producing
02/13/15	13:00:00	0.0	1699.6	193.0	1892.6	Producing
02/13/15	14:00:00	0.0	1699.7	193.0	1892.7	Producing
02/13/15	15:00:00	0.0	1699.5	193.0	1892.5	Producing
02/13/15	16:00:00	0.0	1698.0	193.0	1891.0	Producing
02/13/15	17:00:00	0.1	1695.5	193.0	1888.5	Producing
02/13/15	18:00:00	0.0	1692.4	193.0	1885.4	Producing
02/13/15	19:00:00	0.0	1693.0	193.0	1886.0	Producing
02/13/15	20:00:00	0.0	1693.8	193.0	1886.8	Producing
02/13/15	21:00:00	0.0	1694.4	193.0	1887.4	Producing
02/13/15	22:00:00	0.0	1694.8	193.0	1887.8	Producing
02/13/15	23:00:00	0.0	1694.7	193.0	1887.7	Producing
02/14/15	00:00:00	0.0	1695.3	193.0	1888.3	Producing
02/14/15	01:00:00	0.0	1695.2	193.0	1888.2	Producing
02/14/15	02:00:00	0.0	1696.2	193.0	1889.2	Producing
02/14/15	03:00:00	0.0	1693.3	193.0	1886.3	Producing
02/14/15	04:00:00	0.0	1684.6	193.0	1877.6	Producing

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/14/15	05:00:00	0.0	1675.3	193.0	1868.3	Producing
02/14/15	06:00:00	0.0	1670.7	193.0	1863.7	Producing
02/14/15	07:00:00	0.0	1659.1	193.0	1852.1	Producing
02/14/15	08:00:00	0.0	1652.7	193.0	1845.7	Producing
02/14/15	09:00:00	0.0	1651.8	193.0	1844.8	Producing
02/14/15	10:00:00	0.0	1701.3	193.0	1894.3	Producing
02/14/15	11:00:00	0.0	1699.3	193.0	1892.3	Producing
02/14/15	12:00:00	0.0	1699.7	193.0	1892.7	Producing
02/14/15	13:00:00	0.1	1699.7	193.0	1892.7	Producing
02/14/15	14:00:00	0.1	1699.0	193.0	1892.0	Producing
02/14/15	15:00:00	0.2	1699.7	193.0	1892.7	Producing
02/14/15	16:00:00	0.3	1698.7	193.0	1891.7	Producing
02/14/15	17:00:00	0.4	1698.8	193.0	1891.8	Producing
02/14/15	18:00:00	0.4	1696.2	193.0	1889.2	Producing
02/14/15	19:00:00	0.5	1693.0	193.0	1886.0	Producing
02/14/15	20:00:00	0.6	1694.2	193.0	1887.2	Producing
02/14/15	21:00:00	0.6	1695.0	193.0	1888.0	Producing
02/14/15	22:00:00	0.7	1695.2	193.0	1888.2	Producing
02/14/15	23:00:00	0.8	1695.4	193.0	1888.4	Producing
02/15/15	00:00:00	0.8	1695.5	193.0	1888.5	Producing
02/15/15	01:00:00	0.9	1695.6	193.0	1888.6	Producing
02/15/15	02:00:00	1.0	1695.5	193.0	1888.5	Producing
02/15/15	03:00:00	1.0	1690.4	193.0	1883.4	Producing
02/15/15	04:00:00	1.1	1678.7	193.0	1871.7	Producing
02/15/15	05:00:00	1.2	1675.2	193.0	1868.2	Producing
02/15/15	06:00:00	1.3	1668.2	193.0	1861.2	Producing
02/15/15	07:00:00	1.4	1661.4	193.0	1854.4	Producing
02/15/15	08:00:00	1.5	1664.3	193.0	1857.3	Producing
02/15/15	09:00:00	1.6	1667.1	193.0	1860.1	Producing
02/15/15	10:00:00	1.6	1707.9	193.0	1900.9	Producing
02/15/15	11:00:00	1.7	1699.7	193.0	1892.7	Producing
02/15/15	12:00:00	1.8	1699.9	193.0	1892.9	Producing
02/15/15	13:00:00	1.8	1700.1	193.0	1893.1	Producing
02/15/15	14:00:00	1.9	1699.9	193.0	1892.9	Producing
02/15/15	15:00:00	2.0	1699.1	193.0	1892.1	Producing
02/15/15	16:00:00	2.0	1696.7	193.0	1889.7	Producing
02/15/15	17:00:00	2.1	1695.4	193.0	1888.4	Producing
02/15/15	18:00:00	2.2	1693.2	193.0	1886.2	Producing
02/15/15	19:00:00	2.2	1694.1	193.0	1887.1	Producing
02/15/15	20:00:00	2.3	1694.9	193.0	1887.9	Producing
02/15/15	21:00:00	2.4	1695.5	193.0	1888.5	Producing
02/15/15	22:00:00	2.5	1695.6	193.0	1888.6	Producing
02/15/15	23:00:00	2.6	1696.0	193.0	1889.0	Producing
02/16/15	00:00:00	2.6	1696.0	193.0	1889.0	Producing
02/16/15	01:00:00	2.7	1696.1	193.0	1889.1	Producing
02/16/15	02:00:00	2.8	1695.9	193.0	1888.9	Producing
02/16/15	03:00:00	2.9	1688.0	193.0	1881.0	Producing
02/16/15	04:00:00	3.0	1680.8	193.0	1873.8	Producing
02/16/15	05:00:00	3.1	1670.9	193.0	1863.9	Producing
02/16/15	06:00:00	3.1	1667.5	193.0	1860.5	Producing
02/16/15	07:00:00	3.2	1664.1	193.0	1857.1	Producing
02/16/15	08:00:00	3.3	1658.7	193.0	1851.7	Producing
02/16/15	09:00:00	3.4	1670.4	193.0	1863.4	Producing
02/16/15	10:00:00	3.5	1710.0	193.0	1903.0	Producing
02/16/15	11:00:00	3.5	1700.9	193.0	1893.9	Producing
02/16/15	12:00:00	3.6	1700.9	193.0	1893.9	Producing
02/16/15	13:00:00	3.7	1700.8	193.0	1893.8	Producing
02/16/15	14:00:00	3.8	1700.5	193.0	1893.5	Producing
02/16/15	15:00:00	3.8	1700.5	193.0	1893.5	Producing
02/16/15	16:00:00	3.9	1700.1	193.0	1893.1	Producing
02/16/15	17:00:00	4.0	1701.4	193.0	1894.4	Producing
02/16/15	18:00:00	4.0	1694.0	193.0	1887.0	Producing
02/16/15	19:00:00	4.1	1694.8	193.0	1887.8	Producing
02/16/15	20:00:00	4.2	1695.6	193.0	1888.6	Producing
02/16/15	21:00:00	4.3	1696.5	193.0	1889.5	Producing
02/16/15	22:00:00	4.3	1696.7	193.0	1889.7	Producing
02/16/15	23:00:00	4.4	1696.8	193.0	1889.8	Producing
02/17/15	00:00:00	4.5	1697.0	193.0	1890.0	Producing
02/17/15	01:00:00	4.6	1697.2	193.0	1890.2	Producing
02/17/15	02:00:00	4.7	1697.0	193.0	1890.0	Producing
02/17/15	03:00:00	4.8	1694.3	193.0	1887.3	Producing
02/17/15	04:00:00	4.8	1690.9	193.0	1883.9	Producing
02/17/15	05:00:00	4.9	1683.1	193.0	1876.1	Producing
02/17/15	06:00:00	5.0	1677.4	193.0	1870.4	Producing

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/17/15	07:00:00	5.0	1691.0	193.0	1884.0	Producing
02/17/15	08:00:00	5.0	1695.0	193.0	1888.0	Producing
02/17/15	09:00:00	5.0	1698.3	193.0	1891.3	Producing
02/17/15	10:00:00	5.0	1713.7	193.0	1906.7	Producing
02/17/15	11:00:00	5.0	1720.8	193.0	1913.8	Producing
02/17/15	12:00:00	5.0	1702.0	193.0	1895.0	Producing
02/17/15	13:00:00	5.0	1701.3	193.0	1894.3	Producing
02/17/15	14:00:00	5.0	1700.4	193.0	1893.4	Producing
02/17/15	15:00:00	5.0	1699.2	193.0	1892.2	Producing
02/17/15	16:00:00	5.0	1698.9	193.0	1891.9	Producing
02/17/15	17:00:00	5.0	1696.6	193.0	1889.6	Producing
02/17/15	18:00:00	5.0	1696.6	193.0	1889.6	Producing
02/17/15	19:00:00	5.0	1697.4	193.0	1890.4	Producing
02/17/15	20:00:00	5.0	1697.7	193.0	1890.7	Producing
02/17/15	21:00:00	5.0	1697.9	193.0	1890.9	Producing
02/17/15	22:00:00	5.0	1698.0	193.0	1891.0	Producing
02/17/15	23:00:00	5.0	1698.2	193.0	1891.2	Producing
02/18/15	00:00:00	5.0	1698.3	193.0	1891.3	Producing
02/18/15	01:00:00	5.0	1698.1	193.0	1891.1	Producing
02/18/15	02:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	03:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	04:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	05:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	06:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	07:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	08:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	09:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	10:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	11:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	12:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	13:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	14:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	15:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	16:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	17:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	18:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	19:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	20:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	21:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	22:00:00	5.0	(1)	193.0	(1)	Producing
02/18/15	23:00:00	5.1	(1)	193.0	(1)	Producing
02/19/15	00:00:00	5.2	(1)	193.0	(1)	Producing
02/19/15	01:00:00	5.2	(1)	193.0	(1)	Producing
02/19/15	02:00:00	5.2	(1)	193.0	(1)	Producing
02/19/15	03:00:00	5.2	(1)	193.0	(1)	Producing
02/19/15	04:00:00	5.2	(1)	193.0	(1)	Producing
02/19/15	05:00:00	5.3	(1)	193.0	(1)	Producing
02/19/15	06:00:00	5.4	(1)	193.0	(1)	Producing
02/19/15	07:00:00	5.5	(1)	193.0	(1)	Producing
02/19/15	08:00:00	5.5	(1)	193.0	(1)	Producing
02/19/15	09:00:00	5.6	(1)	193.0	(1)	Producing
02/19/15	10:00:00	5.7	(1)	193.0	(1)	Producing
02/19/15	11:00:00	5.8	(1)	193.0	(1)	Producing
02/19/15	12:00:00	5.8	(1)	193.0	(1)	Producing
02/19/15	13:00:00	5.9	(1)	193.0	(1)	Producing
02/19/15	14:00:00	6.0	(1)	193.0	(1)	Producing
02/19/15	15:00:00	6.1	(1)	193.0	(1)	Producing
02/19/15	16:00:00	6.1	(1)	193.0	(1)	Producing
02/19/15	17:00:00	6.2	(1)	193.0	(1)	Producing
02/19/15	18:00:00	6.3	(1)	193.0	(1)	Producing
02/19/15	19:00:00	6.4	(1)	193.0	(1)	Producing
02/19/15	20:00:00	6.5	(1)	193.0	(1)	Producing
02/19/15	21:00:00	6.5	(1)	193.0	(1)	Producing
02/19/15	22:00:00	6.6	(1)	193.0	(1)	Producing
02/19/15	23:00:00	6.7	(1)	193.0	(1)	Producing
02/20/15	00:00:00	6.8	(1)	193.0	(1)	Producing
02/20/15	01:00:00	6.8	(1)	193.0	(1)	Producing
02/20/15	02:00:00	6.9	(1)	193.0	(1)	Producing
02/20/15	03:00:00	7.0	(1)	193.0	(1)	Producing
02/20/15	04:00:00	7.1	(1)	193.0	(1)	Producing
02/20/15	05:00:00	7.2	(1)	193.0	(1)	Producing
02/20/15	06:00:00	7.2	(1)	193.0	(1)	Producing
02/20/15	07:00:00	7.3	(1)	193.0	(1)	Producing
02/20/15	08:00:00	7.4	(1)	193.0	(1)	Producing

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/20/15	09:00:00	7.5	(1)	193.0	(1)	Producing
02/20/15	10:00:00	7.6	(1)	193.0	(1)	Producing
02/20/15	11:00:00	7.6	(1)	193.0	(1)	Producing
02/20/15	12:00:00	7.6	(1)	193.0	(1)	Producing
02/20/15	13:00:00	7.6	(1)	193.0	(1)	Producing
02/20/15	14:00:00	7.6	(1)	193.0	(1)	Producing
02/20/15	15:00:00	7.6	1704.4	193.0	1897.4	Producing
02/20/15	16:00:00	7.6	1703.8	193.0	1896.8	Producing
02/20/15	17:00:00	7.7	1700.4	193.0	1893.4	Producing
02/20/15	18:00:00	7.7	1697.1	193.0	1890.1	Producing
02/20/15	19:00:00	7.7	1698.1	193.0	1891.1	Producing
02/20/15	20:00:00	7.8	1699.1	193.0	1892.1	Producing
02/20/15	21:00:00	7.9	1699.3	193.0	1892.3	Producing
02/20/15	22:00:00	8.0	1699.5	193.0	1892.5	Producing
02/20/15	23:00:00	8.1	1699.5	193.0	1892.5	Producing
02/21/15	00:00:00	8.2	1699.4	193.0	1892.4	Producing
02/21/15	01:00:00	8.2	1697.7	193.0	1890.7	Producing
02/21/15	02:00:00	8.3	1698.9	193.0	1891.9	Producing
02/21/15	03:00:00	8.4	1704.2	193.0	1897.2	Producing
02/21/15	04:00:00	8.5	1706.1	193.0	1899.1	Producing
02/21/15	05:00:00	8.6	1707.5	193.0	1900.5	Producing
02/21/15	06:00:00	8.7	1709.4	193.0	1902.4	Producing
02/21/15	07:00:00	8.8	1711.6	193.0	1904.6	Producing
02/21/15	08:00:00	8.8	1711.6	193.0	1904.6	Producing
02/21/15	09:00:00	8.9	1713.6	193.0	1906.6	Producing
02/21/15	10:00:00	9.0	1715.3	193.0	1908.3	Producing
02/21/15	11:00:00	9.1	1723.3	193.0	1916.3	Producing
02/21/15	12:00:00	9.2	1727.1	193.0	1920.1	Producing
02/21/15	13:00:00	9.3	1704.0	193.0	1897.0	Producing
02/21/15	14:00:00	9.4	1703.3	193.0	1896.3	Producing
02/21/15	15:00:00	9.4	1703.9	193.0	1896.9	Producing
02/21/15	16:00:00	9.5	1703.2	193.0	1896.2	Producing
02/21/15	17:00:00	9.6	1703.5	193.0	1896.5	Producing
02/21/15	18:00:00	9.7	1700.8	193.0	1893.8	Producing
02/21/15	19:00:00	9.7	1698.9	193.0	1891.9	Producing
02/21/15	20:00:00	9.8	1699.8	193.0	1892.8	Producing
02/21/15	21:00:00	9.9	1700.2	193.0	1893.2	Producing
02/21/15	22:00:00	10.0	1700.8	193.0	1893.8	Producing
02/21/15	23:00:00	10.1	1700.9	193.0	1893.9	Producing
02/22/15	00:00:00	10.2	1701.9	193.0	1894.9	Producing
02/22/15	01:00:00	10.2	1702.0	193.0	1895.0	Producing
02/22/15	02:00:00	10.3	1702.1	193.0	1895.1	Producing
02/22/15	03:00:00	10.4	1702.1	193.0	1895.1	Producing
02/22/15	04:00:00	10.5	1702.3	193.0	1895.3	Producing
02/22/15	05:00:00	10.6	1701.4	193.0	1894.4	Producing
02/22/15	06:00:00	10.6	1692.7	193.0	1885.7	Producing
02/22/15	07:00:00	10.7	1683.8	193.0	1876.8	Producing
02/22/15	08:00:00	10.8	1681.8	193.0	1874.8	Producing
02/22/15	09:00:00	10.9	1685.0	193.0	1878.0	Producing
02/22/15	10:00:00	11.0	1718.6	193.0	1911.6	Producing
02/22/15	11:00:00	11.0	1705.6	193.0	1898.6	Producing
02/22/15	12:00:00	11.1	1705.3	193.0	1898.3	Producing
02/22/15	13:00:00	11.2	1704.7	193.0	1897.7	Producing
02/22/15	14:00:00	11.3	1705.1	193.0	1898.1	Producing
02/22/15	15:00:00	11.4	1700.8	193.0	1893.8	Producing
02/22/15	16:00:00	11.4	1703.1	193.0	1896.1	Producing
02/22/15	17:00:00	11.5	1703.0	193.0	1896.0	Producing
02/22/15	18:00:00	11.6	1699.8	193.0	1892.8	Producing
02/22/15	19:00:00	11.7	1700.5	193.0	1893.5	Producing
02/22/15	20:00:00	11.8	1701.0	193.0	1894.0	Producing
02/22/15	21:00:00	11.9	1701.0	193.0	1894.0	Producing
02/22/15	22:00:00	12.0	1701.2	193.0	1894.2	Producing
02/22/15	23:00:00	12.0	1701.4	193.0	1894.4	Producing
02/23/15	00:00:00	12.1	1703.2	193.0	1896.2	Producing
02/23/15	01:00:00	12.2	1704.4	193.0	1897.4	Producing
02/23/15	02:00:00	12.3	1701.4	193.0	1894.4	Producing
02/23/15	03:00:00	12.4	1701.9	193.0	1894.9	Producing
02/23/15	04:00:00	12.5	1701.8	193.0	1894.8	Producing
02/23/15	05:00:00	12.6	1696.7	193.0	1889.7	Producing
02/23/15	06:00:00	12.7	1689.6	193.0	1882.6	Producing
02/23/15	07:00:00	12.8	1687.0	193.0	1880.0	Producing
02/23/15	08:00:00	12.8	1682.4	193.0	1875.4	Producing
02/23/15	09:00:00	12.9	1683.5	193.0	1876.5	Producing
02/23/15	10:00:00	13.0	1724.0	193.0	1917.0	Producing

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/23/15	11:00:00	13.1	1734.5	193.0	1927.5	Producing
02/23/15	12:00:00	13.2	1706.1	193.0	1899.1	Producing
02/23/15	13:00:00	13.3	1706.5	193.0	1899.5	Producing
02/23/15	14:00:00	13.3	1706.6	193.0	1899.6	Producing
02/23/15	15:00:00	13.5	1703.9	193.0	1896.9	Producing
02/23/15	16:00:00	13.6	1703.2	193.0	1896.2	Producing
02/23/15	17:00:00	13.7	1701.4	193.0	1894.4	Producing
02/23/15	18:00:00	13.9	1701.2	193.0	1894.2	Producing
02/23/15	19:00:00	14.1	1701.8	193.0	1894.8	Producing
02/23/15	20:00:00	14.2	1702.1	193.0	1895.1	Producing
02/23/15	21:00:00	14.3	1701.7	193.0	1894.7	Producing
02/23/15	22:00:00	14.4	1696.6	193.0	1889.6	Producing
02/23/15	23:00:00	14.6	1694.4	193.0	1887.4	Producing
02/24/15	00:00:00	14.7	1677.3	193.0	1870.3	Producing
02/24/15	01:00:00	14.9	1662.0	193.0	1855.0	Producing
02/24/15	02:00:00	15.0	1658.4	193.0	1851.4	Producing
02/24/15	03:00:00	15.2	1655.4	193.0	1848.4	Producing
02/24/15	04:00:00	15.3	1652.0	193.0	1845.0	Producing
02/24/15	05:00:00	15.5	1653.4	193.0	1846.4	Producing
02/24/15	06:00:00	15.6	1651.6	193.0	1844.6	Producing
02/24/15	07:00:00	15.8	1652.3	193.0	1845.3	Producing
02/24/15	08:00:00	15.9	1650.6	193.0	1843.6	Producing
02/24/15	09:00:00	16.0	1677.9	193.0	1870.9	Producing
02/24/15	10:00:00	16.2	1721.2	193.0	1914.2	Producing
02/24/15	11:00:00	16.3	1710.2	193.0	1903.2	Producing
02/24/15	12:00:00	16.5	1709.1	193.0	1902.1	Producing
02/24/15	13:00:00	16.6	1709.1	193.0	1902.1	Producing
02/24/15	14:00:00	16.8	1710.6	193.0	1903.6	Producing
02/24/15	15:00:00	17.0	1710.7	193.0	1903.7	Producing
02/24/15	16:00:00	17.2	1709.2	193.0	1902.2	Producing
02/24/15	17:00:00	17.4	1706.0	193.0	1899.0	Producing
02/24/15	18:00:00	17.6	1705.6	193.0	1898.6	Producing
02/24/15	19:00:00	17.8	1701.6	193.0	1894.6	Producing
02/24/15	20:00:00	18.0	1702.4	193.0	1895.4	Producing
02/24/15	21:00:00	18.2	1703.5	193.0	1896.5	Producing
02/24/15	22:00:00	18.4	1704.8	193.0	1897.8	Producing
02/24/15	23:00:00	18.6	1704.9	193.0	1897.9	Producing
02/25/15	00:00:00	18.8	1705.1	193.0	1898.1	Producing
02/25/15	01:00:00	19.0	1700.6	193.0	1893.6	Producing
02/25/15	02:00:00	19.2	1691.4	193.0	1884.4	Producing
02/25/15	03:00:00	19.4	1692.2	193.0	1885.2	Producing
02/25/15	04:00:00	19.6	1683.8	193.0	1876.8	Producing
02/25/15	05:00:00	19.8	1679.6	193.0	1872.6	Producing
02/25/15	06:00:00	20.0	1678.0	193.0	1871.0	Producing
02/25/15	07:00:00	20.2	1677.3	193.0	1870.3	Producing
02/25/15	08:00:00	20.5	1678.7	193.0	1871.7	Producing
02/25/15	09:00:00	20.7	1702.2	193.0	1895.2	Producing
02/25/15	10:00:00	20.9	1726.8	193.0	1919.8	Producing
02/25/15	11:00:00	21.0	1709.2	193.0	1902.2	Producing
02/25/15	12:00:00	21.1	1709.8	193.0	1902.8	Producing
02/25/15	13:00:00	21.3	1710.4	193.0	1903.4	Producing
02/25/15	14:00:00	21.3	1710.3	193.0	1903.3	Producing
02/25/15	15:00:00	21.3	1709.8	193.0	1902.8	Producing
02/25/15	16:00:00	21.3	1706.2	193.0	1899.2	Producing
02/25/15	17:00:00	21.3	1709.1	193.0	1902.1	Producing
02/25/15	18:00:00	21.4	1704.9	193.0	1897.9	Producing
02/25/15	19:00:00	21.5	1705.3	193.0	1898.3	Producing
02/25/15	20:00:00	21.8	1706.0	193.0	1899.0	Producing
02/25/15	21:00:00	22.0	1706.3	193.0	1899.3	Producing
02/25/15	22:00:00	22.2	1706.5	193.0	1899.5	Producing
02/25/15	23:00:00	22.4	1707.0	193.0	1900.0	Producing
02/26/15	00:00:00	22.7	1707.1	193.0	1900.1	Producing
02/26/15	01:00:00	22.9	1707.4	193.0	1900.4	Producing
02/26/15	02:00:00	23.1	1707.5	193.0	1900.5	Producing
02/26/15	03:00:00	23.4	1706.2	193.0	1899.2	Producing
02/26/15	04:00:00	23.6	1698.4	193.0	1891.4	Producing
02/26/15	05:00:00	23.8	1688.4	193.0	1881.4	Producing
02/26/15	06:00:00	24.1	1691.4	193.0	1884.4	Producing
02/26/15	07:00:00	24.3	1690.6	193.0	1883.6	Producing
02/26/15	08:00:00	24.5	1683.3	193.0	1876.3	Producing
02/26/15	09:00:00	24.8	1703.2	193.0	1896.2	Producing
02/26/15	10:00:00	25.0	1728.7	193.0	1921.7	Shut-in
02/26/15	11:00:00	25.2	1712.7	193.0	1905.7	Shut-in
02/26/15	12:00:00	25.4	1712.7	193.0	1905.7	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
02/26/15	13:00:00	25.6	1712.1	193.0	1905.1	Shut-in
02/26/15	14:00:00	25.8	1712.1	193.0	1905.1	Shut-in
02/26/15	15:00:00	25.8	1710.3	193.0	1903.3	Shut-in
02/26/15	16:00:00	25.8	1710.3	193.0	1903.3	Shut-in
02/26/15	17:00:00	25.8	1710.3	193.0	1903.3	Shut-in
02/26/15	18:00:00	25.9	1710.3	193.0	1903.3	Shut-in
02/26/15	19:00:00	26.1	1710.3	193.0	1903.3	Shut-in
02/26/15	20:00:00	26.4	1710.3	193.0	1903.3	Shut-in
02/26/15	21:00:00	26.6	1710.3	193.0	1903.3	Shut-in
02/26/15	22:00:00	26.8	1710.3	193.0	1903.3	Shut-in
02/26/15	23:00:00	27.1	1710.3	193.0	1903.3	Shut-in
02/27/15	00:00:00	27.3	1711.2	193.0	1904.2	Shut-in
02/27/15	01:00:00	27.5	1709.6	193.0	1902.6	Shut-in
02/27/15	02:00:00	27.8	1709.3	193.0	1902.3	Shut-in
02/27/15	03:00:00	28.0	1709.4	193.0	1902.4	Shut-in
02/27/15	04:00:00	28.2	1709.6	193.0	1902.6	Shut-in
02/27/15	05:00:00	28.5	1709.9	193.0	1902.9	Shut-in
02/27/15	06:00:00	28.7	1709.8	193.0	1902.8	Shut-in
02/27/15	07:00:00	28.9	1711.0	193.0	1904.0	Shut-in
02/27/15	08:00:00	29.1	1713.6	193.0	1906.6	Shut-in
02/27/15	09:00:00	29.3	1714.3	193.0	1907.3	Shut-in
02/27/15	10:00:00	29.5	1714.1	193.0	1907.1	Shut-in
02/27/15	11:00:00	29.8	1713.9	193.0	1906.9	Shut-in
02/27/15	12:00:00	30.0	1713.5	193.0	1906.5	Shut-in
02/27/15	13:00:00	30.2	1714.6	193.0	1907.6	Shut-in
02/27/15	14:00:00	30.4	1712.4	193.0	1905.4	Shut-in
02/27/15	15:00:00	30.7	1713.7	193.0	1906.7	Shut-in
02/27/15	16:00:00	30.9	1710.4	193.0	1903.4	Shut-in
02/27/15	17:00:00	31.1	1709.9	193.0	1902.9	Shut-in
02/27/15	18:00:00	31.4	1710.4	193.0	1903.4	Shut-in
02/27/15	19:00:00	31.6	1710.6	193.0	1903.6	Shut-in
02/27/15	20:00:00	31.8	1710.8	193.0	1903.8	Shut-in
02/27/15	21:00:00	32.1	1711.0	193.0	1904.0	Shut-in
02/27/15	22:00:00	32.3	1711.2	193.0	1904.2	Shut-in
02/27/15	23:00:00	32.6	1711.5	193.0	1904.5	Shut-in
02/28/15	00:00:00	32.8	1711.9	193.0	1904.9	Shut-in
02/28/15	01:00:00	33.0	1712.3	193.0	1905.3	Shut-in
02/28/15	02:00:00	33.3	1713.4	193.0	1906.4	Shut-in
02/28/15	03:00:00	33.5	1713.8	193.0	1906.8	Shut-in
02/28/15	04:00:00	33.7	1708.8	193.0	1901.8	Shut-in
02/28/15	05:00:00	34.0	1707.8	193.0	1900.8	Shut-in
02/28/15	06:00:00	34.2	1705.2	193.0	1898.2	Shut-in
02/28/15	07:00:00	34.4	1693.6	193.0	1886.6	Shut-in
02/28/15	08:00:00	34.7	1688.0	193.0	1881.0	Shut-in
02/28/15	09:00:00	34.9	1689.6	193.0	1882.6	Shut-in
02/28/15	10:00:00	35.1	1713.1	193.0	1906.1	Shut-in
02/28/15	11:00:00	35.4	1733.0	193.0	1926.0	Shut-in
02/28/15	12:00:00	35.6	1717.1	193.0	1910.1	Shut-in
02/28/15	13:00:00	35.9	1716.0	193.0	1909.0	Shut-in
02/28/15	14:00:00	36.1	1714.6	193.0	1907.6	Shut-in
02/28/15	15:00:00	36.4	1712.6	193.0	1905.6	Shut-in
02/28/15	16:00:00	36.6	1716.0	193.0	1909.0	Shut-in
02/28/15	17:00:00	36.9	1717.1	193.0	1910.1	Shut-in
02/28/15	18:00:00	37.1	1713.8	193.0	1906.8	Shut-in
02/28/15	19:00:00	37.4	1713.1	193.0	1906.1	Shut-in
02/28/15	20:00:00	37.6	1713.5	193.0	1906.5	Shut-in
02/28/15	21:00:00	37.9	1713.6	193.0	1906.6	Shut-in
02/28/15	22:00:00	38.2	1714.0	193.0	1907.0	Shut-in
02/28/15	23:00:00	38.4	1714.4	193.0	1907.4	Shut-in
03/01/15	00:00:00	38.6	1714.6	193.0	1907.6	Shut-in
03/01/15	01:00:00	38.9	1712.3	193.0	1905.3	Shut-in
03/01/15	02:00:00	39.1	1703.5	193.0	1896.5	Shut-in
03/01/15	03:00:00	39.3	1697.9	193.0	1890.9	Shut-in
03/01/15	04:00:00	39.4	1692.0	193.0	1885.0	Shut-in
03/01/15	05:00:00	39.6	1685.9	193.0	1878.9	Shut-in
03/01/15	06:00:00	39.8	1695.0	193.0	1888.0	Shut-in
03/01/15	07:00:00	39.9	1680.6	193.0	1873.6	Shut-in
03/01/15	08:00:00	40.1	1670.9	193.0	1863.9	Shut-in
03/01/15	09:00:00	40.3	1708.1	193.0	1901.1	Shut-in
03/01/15	10:00:00	40.6	1765.3	193.0	1958.3	Shut-in
03/01/15	11:00:00	40.8	1727.7	193.0	1920.7	Shut-in
03/01/15	12:00:00	41.0	1719.6	193.0	1912.6	Shut-in
03/01/15	13:00:00	41.3	1719.6	193.0	1912.6	Shut-in
03/01/15	14:00:00	41.5	1719.8	193.0	1912.8	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/01/15	15:00:00	41.8	1718.4	193.0	1911.4	Shut-in
03/01/15	16:00:00	42.0	1719.0	193.0	1912.0	Shut-in
03/01/15	17:00:00	42.2	1719.3	193.0	1912.3	Shut-in
03/01/15	18:00:00	42.5	1717.9	193.0	1910.9	Shut-in
03/01/15	19:00:00	42.7	1714.7	193.0	1907.7	Shut-in
03/01/15	20:00:00	43.0	1715.9	193.0	1908.9	Shut-in
03/01/15	21:00:00	43.2	1716.6	193.0	1909.6	Shut-in
03/01/15	22:00:00	43.5	1717.0	193.0	1910.0	Shut-in
03/01/15	23:00:00	43.7	1717.1	193.0	1910.1	Shut-in
03/02/15	00:00:00	44.0	1716.7	193.0	1909.7	Shut-in
03/02/15	01:00:00	44.3	1707.8	193.0	1900.8	Shut-in
03/02/15	02:00:00	44.5	1700.2	193.0	1893.2	Shut-in
03/02/15	03:00:00	44.8	1695.1	193.0	1888.1	Shut-in
03/02/15	04:00:00	45.0	1701.3	193.0	1894.3	Shut-in
03/02/15	05:00:00	45.3	1701.8	193.0	1894.8	Shut-in
03/02/15	06:00:00	45.5	1699.0	193.0	1892.0	Shut-in
03/02/15	07:00:00	45.8	1701.4	193.0	1894.4	Shut-in
03/02/15	08:00:00	46.0	1700.2	193.0	1893.2	Shut-in
03/02/15	09:00:00	46.3	1711.3	193.0	1904.3	Shut-in
03/02/15	10:00:00	46.5	1738.8	193.0	1931.8	Shut-in
03/02/15	11:00:00	46.8	1735.2	193.0	1928.2	Shut-in
03/02/15	12:00:00	47.0	1722.1	193.0	1915.1	Shut-in
03/02/15	13:00:00	47.3	1721.6	193.0	1914.6	Shut-in
03/02/15	14:00:00	47.5	1721.3	193.0	1914.3	Shut-in
03/02/15	15:00:00	47.7	1722.6	193.0	1915.6	Shut-in
03/02/15	16:00:00	47.8	1720.4	193.0	1913.4	Shut-in
03/02/15	17:00:00	48.1	1718.3	193.0	1911.3	Shut-in
03/02/15	18:00:00	48.3	1721.5	193.0	1914.5	Shut-in
03/02/15	19:00:00	48.6	1719.1	193.0	1912.1	Shut-in
03/02/15	20:00:00	48.8	1719.2	193.0	1912.2	Shut-in
03/02/15	21:00:00	49.1	1719.5	193.0	1912.5	Shut-in
03/02/15	22:00:00	49.3	1719.7	193.0	1912.7	Shut-in
03/02/15	23:00:00	49.6	1717.7	193.0	1910.7	Shut-in
03/03/15	00:00:00	49.8	1707.8	193.0	1900.8	Shut-in
03/03/15	01:00:00	50.1	1698.3	193.0	1891.3	Shut-in
03/03/15	02:00:00	50.3	1692.0	193.0	1885.0	Shut-in
03/03/15	03:00:00	50.6	1684.2	193.0	1877.2	Shut-in
03/03/15	04:00:00	50.8	1681.2	193.0	1874.2	Shut-in
03/03/15	05:00:00	51.1	1677.7	193.0	1870.7	Shut-in
03/03/15	06:00:00	51.3	1674.9	193.0	1867.9	Shut-in
03/03/15	07:00:00	51.6	1673.4	193.0	1866.4	Shut-in
03/03/15	08:00:00	51.7	1670.0	193.0	1863.0	Shut-in
03/03/15	09:00:00	51.7	1699.4	193.0	1892.4	Shut-in
03/03/15	10:00:00	51.7	1755.4	193.0	1948.4	Shut-in
03/03/15	11:00:00	51.7	1739.5	193.0	1932.5	Shut-in
03/03/15	12:00:00	51.7	1725.6	193.0	1918.6	Shut-in
03/03/15	13:00:00	51.7	1725.4	193.0	1918.4	Shut-in
03/03/15	14:00:00	51.7	1725.2	193.0	1918.2	Shut-in
03/03/15	15:00:00	51.7	1725.5	193.0	1918.5	Shut-in
03/03/15	16:00:00	51.7	1724.0	193.0	1917.0	Shut-in
03/03/15	17:00:00	51.7	1723.6	193.0	1916.6	Shut-in
03/03/15	18:00:00	51.9	1722.2	193.0	1915.2	Shut-in
03/03/15	19:00:00	52.1	1721.3	193.0	1914.3	Shut-in
03/03/15	20:00:00	52.3	1721.3	193.0	1914.3	Shut-in
03/03/15	21:00:00	52.6	1721.8	193.0	1914.8	Shut-in
03/03/15	22:00:00	52.8	1722.3	193.0	1915.3	Shut-in
03/03/15	23:00:00	53.0	1722.3	193.0	1915.3	Shut-in
03/04/15	00:00:00	53.3	1721.4	193.0	1914.4	Shut-in
03/04/15	01:00:00	53.5	1715.8	193.0	1908.8	Shut-in
03/04/15	02:00:00	53.8	1705.9	193.0	1898.9	Shut-in
03/04/15	03:00:00	54.0	1689.3	193.0	1882.3	Shut-in
03/04/15	04:00:00	54.3	1676.6	193.0	1869.6	Shut-in
03/04/15	05:00:00	54.5	1661.3	193.0	1854.3	Shut-in
03/04/15	06:00:00	54.8	1653.7	193.0	1846.7	Shut-in
03/04/15	07:00:00	55.0	1654.8	193.0	1847.8	Shut-in
03/04/15	08:00:00	55.3	1646.4	193.0	1839.4	Shut-in
03/04/15	09:00:00	55.5	1684.1	193.0	1877.1	Shut-in
03/04/15	10:00:00	55.8	1740.7	193.0	1933.7	Shut-in
03/04/15	11:00:00	56.0	1728.2	193.0	1921.2	Shut-in
03/04/15	12:00:00	56.2	1727.1	193.0	1920.1	Shut-in
03/04/15	13:00:00	56.5	1727.9	193.0	1920.9	Shut-in
03/04/15	14:00:00	56.7	1725.8	193.0	1918.8	Shut-in
03/04/15	15:00:00	57.0	1726.5	193.0	1919.5	Shut-in
03/04/15	16:00:00	57.2	1727.1	193.0	1920.1	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/04/15	17:00:00	57.5	1726.6	193.0	1919.6	Shut-in
03/04/15	18:00:00	57.7	1724.1	193.0	1917.1	Shut-in
03/04/15	19:00:00	58.0	1721.8	193.0	1914.8	Shut-in
03/04/15	20:00:00	58.2	1723.0	193.0	1916.0	Shut-in
03/04/15	21:00:00	58.5	1723.6	193.0	1916.6	Shut-in
03/04/15	22:00:00	58.7	1724.0	193.0	1917.0	Shut-in
03/04/15	23:00:00	59.0	1724.2	193.0	1917.2	Shut-in
03/05/15	00:00:00	59.2	1724.6	193.0	1917.6	Shut-in
03/05/15	01:00:00	59.5	1724.8	193.0	1917.8	Shut-in
03/05/15	02:00:00	59.7	1725.1	193.0	1918.1	Shut-in
03/05/15	03:00:00	60.0	1725.2	193.0	1918.2	Shut-in
03/05/15	04:00:00	60.2	1725.4	193.0	1918.4	Shut-in
03/05/15	05:00:00	60.5	1725.5	193.0	1918.5	Shut-in
03/05/15	06:00:00	60.7	1725.8	193.0	1918.8	Shut-in
03/05/15	07:00:00	61.0	1720.8	193.0	1913.8	Shut-in
03/05/15	08:00:00	61.2	1718.7	193.0	1911.7	Shut-in
03/05/15	09:00:00	61.5	1761.8	193.0	1954.8	Shut-in
03/05/15	10:00:00	61.7	1791.0	193.0	1984.0	Shut-in
03/05/15	11:00:00	62.0	1730.0	193.0	1923.0	Shut-in
03/05/15	12:00:00	62.2	1730.0	193.0	1923.0	Shut-in
03/05/15	13:00:00	62.5	1729.8	193.0	1922.8	Shut-in
03/05/15	14:00:00	62.7	1729.9	193.0	1922.9	Shut-in
03/05/15	15:00:00	62.9	1731.0	193.0	1924.0	Shut-in
03/05/15	16:00:00	63.2	1730.1	193.0	1923.1	Shut-in
03/05/15	17:00:00	63.4	1728.0	193.0	1921.0	Shut-in
03/05/15	18:00:00	63.7	1724.2	193.0	1917.2	Shut-in
03/05/15	19:00:00	64.0	1724.6	193.0	1917.6	Shut-in
03/05/15	20:00:00	64.2	1726.0	193.0	1919.0	Shut-in
03/05/15	21:00:00	64.5	1726.5	193.0	1919.5	Shut-in
03/05/15	22:00:00	64.7	1726.8	193.0	1919.8	Shut-in
03/05/15	23:00:00	65.0	1727.1	193.0	1920.1	Shut-in
03/06/15	00:00:00	65.2	1727.4	193.0	1920.4	Shut-in
03/06/15	01:00:00	65.5	1724.6	193.0	1917.6	Shut-in
03/06/15	02:00:00	65.7	1702.9	193.0	1895.9	Shut-in
03/06/15	03:00:00	66.0	1694.5	193.0	1887.5	Shut-in
03/06/15	04:00:00	66.2	1693.2	193.0	1886.2	Shut-in
03/06/15	05:00:00	66.5	1680.0	193.0	1873.0	Shut-in
03/06/15	06:00:00	66.7	1678.8	193.0	1871.8	Shut-in
03/06/15	07:00:00	67.0	1672.9	193.0	1865.9	Shut-in
03/06/15	08:00:00	67.2	1674.0	193.0	1867.0	Shut-in
03/06/15	09:00:00	67.5	1710.0	193.0	1903.0	Shut-in
03/06/15	10:00:00	67.7	1746.1	193.0	1939.1	Shut-in
03/06/15	11:00:00	68.0	1732.9	193.0	1925.9	Shut-in
03/06/15	12:00:00	68.2	1733.1	193.0	1926.1	Shut-in
03/06/15	13:00:00	68.4	1732.9	193.0	1925.9	Shut-in
03/06/15	14:00:00	68.7	1732.6	193.0	1925.6	Shut-in
03/06/15	15:00:00	68.9	1731.7	193.0	1924.7	Shut-in
03/06/15	16:00:00	69.2	1730.4	193.0	1923.4	Shut-in
03/06/15	17:00:00	69.4	1732.1	193.0	1925.1	Shut-in
03/06/15	18:00:00	69.7	1730.8	193.0	1923.8	Shut-in
03/06/15	19:00:00	69.9	1728.1	193.0	1921.1	Shut-in
03/06/15	20:00:00	70.2	1728.3	193.0	1921.3	Shut-in
03/06/15	21:00:00	70.4	1729.2	193.0	1922.2	Shut-in
03/06/15	22:00:00	70.7	1729.5	193.0	1922.5	Shut-in
03/06/15	23:00:00	70.9	1729.7	193.0	1922.7	Shut-in
03/07/15	00:00:00	71.2	1729.8	193.0	1922.8	Shut-in
03/07/15	01:00:00	71.4	1729.9	193.0	1922.9	Shut-in
03/07/15	02:00:00	71.7	1724.9	193.0	1917.9	Shut-in
03/07/15	03:00:00	71.9	1716.3	193.0	1909.3	Shut-in
03/07/15	04:00:00	72.2	1708.4	193.0	1901.4	Shut-in
03/07/15	05:00:00	72.4	1703.8	193.0	1896.8	Shut-in
03/07/15	06:00:00	72.7	1700.0	193.0	1893.0	Shut-in
03/07/15	07:00:00	72.9	1693.0	193.0	1886.0	Shut-in
03/07/15	08:00:00	73.2	1692.9	193.0	1885.9	Shut-in
03/07/15	09:00:00	73.4	1732.3	193.0	1925.3	Shut-in
03/07/15	10:00:00	73.7	1747.9	193.0	1940.9	Shut-in
03/07/15	11:00:00	73.9	1735.8	193.0	1928.8	Shut-in
03/07/15	12:00:00	74.2	1736.0	193.0	1929.0	Shut-in
03/07/15	13:00:00	74.4	1736.1	193.0	1929.1	Shut-in
03/07/15	14:00:00	74.7	1736.6	193.0	1929.6	Shut-in
03/07/15	15:00:00	74.9	1736.3	193.0	1929.3	Shut-in
03/07/15	16:00:00	75.2	1736.1	193.0	1929.1	Shut-in
03/07/15	17:00:00	75.4	1734.2	193.0	1927.2	Shut-in
03/07/15	18:00:00	75.7	1733.9	193.0	1926.9	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/07/15	19:00:00	75.9	1729.6	193.0	1922.6	Shut-in
03/07/15	20:00:00	76.2	1731.2	193.0	1924.2	Shut-in
03/07/15	21:00:00	76.4	1732.2	193.0	1925.2	Shut-in
03/07/15	22:00:00	76.7	1732.6	193.0	1925.6	Shut-in
03/07/15	23:00:00	76.9	1732.8	193.0	1925.8	Shut-in
03/08/15	00:00:00	77.2	1732.9	193.0	1925.9	Shut-in
03/08/15	01:00:00	77.4	1733.0	193.0	1926.0	Shut-in
03/08/15	02:00:00	77.4	(2)	193.0	(2)	Shut-in
03/08/15	03:00:00	77.7	1733.3	193.0	1926.3	Shut-in
03/08/15	04:00:00	77.9	1733.4	193.0	1926.4	Shut-in
03/08/15	05:00:00	78.2	1731.3	193.0	1924.3	Shut-in
03/08/15	06:00:00	78.4	1723.6	193.0	1916.6	Shut-in
03/08/15	07:00:00	78.7	1716.9	193.0	1909.9	Shut-in
03/08/15	08:00:00	78.9	1707.1	193.0	1900.1	Shut-in
03/08/15	09:00:00	79.2	1703.4	193.0	1896.4	Shut-in
03/08/15	10:00:00	79.4	1734.0	193.0	1927.0	Shut-in
03/08/15	11:00:00	79.7	1754.2	193.0	1947.2	Shut-in
03/08/15	12:00:00	79.9	1738.1	193.0	1931.1	Shut-in
03/08/15	13:00:00	80.1	1738.8	193.0	1931.8	Shut-in
03/08/15	14:00:00	80.4	1737.2	193.0	1930.2	Shut-in
03/08/15	15:00:00	80.6	1738.9	193.0	1931.9	Shut-in
03/08/15	16:00:00	80.9	1738.1	193.0	1931.1	Shut-in
03/08/15	17:00:00	81.1	1735.6	193.0	1928.6	Shut-in
03/08/15	18:00:00	81.4	1738.0	193.0	1931.0	Shut-in
03/08/15	19:00:00	81.6	1735.9	193.0	1928.9	Shut-in
03/08/15	20:00:00	81.9	1733.7	193.0	1926.7	Shut-in
03/08/15	21:00:00	82.1	1734.3	193.0	1927.3	Shut-in
03/08/15	22:00:00	82.4	1734.7	193.0	1927.7	Shut-in
03/08/15	23:00:00	82.6	1735.1	193.0	1928.1	Shut-in
03/09/15	00:00:00	82.9	1735.4	193.0	1928.4	Shut-in
03/09/15	01:00:00	83.1	1735.5	193.0	1928.5	Shut-in
03/09/15	02:00:00	83.4	1735.6	193.0	1928.6	Shut-in
03/09/15	03:00:00	83.6	1735.9	193.0	1928.9	Shut-in
03/09/15	04:00:00	83.9	1736.0	193.0	1929.0	Shut-in
03/09/15	05:00:00	84.1	1738.6	193.0	1931.6	Shut-in
03/09/15	06:00:00	84.4	1743.0	193.0	1936.0	Shut-in
03/09/15	07:00:00	84.6	1730.2	193.0	1923.2	Shut-in
03/09/15	08:00:00	84.9	1716.6	193.0	1909.6	Shut-in
03/09/15	09:00:00	85.1	1712.7	193.0	1905.7	Shut-in
03/09/15	10:00:00	85.4	1756.2	193.0	1949.2	Shut-in
03/09/15	11:00:00	85.6	1744.8	193.0	1937.8	Shut-in
03/09/15	12:00:00	85.9	1740.8	193.0	1933.8	Shut-in
03/09/15	13:00:00	86.1	1741.2	193.0	1934.2	Shut-in
03/09/15	14:00:00	86.3	1741.2	193.0	1934.2	Shut-in
03/09/15	15:00:00	86.6	1741.7	193.0	1934.7	Shut-in
03/09/15	16:00:00	86.8	1741.1	193.0	1934.1	Shut-in
03/09/15	17:00:00	87.1	1740.1	193.0	1933.1	Shut-in
03/09/15	18:00:00	87.3	1741.1	193.0	1934.1	Shut-in
03/09/15	19:00:00	87.6	1737.4	193.0	1930.4	Shut-in
03/09/15	20:00:00	87.8	1735.5	193.0	1928.5	Shut-in
03/09/15	21:00:00	88.1	1736.8	193.0	1929.8	Shut-in
03/09/15	22:00:00	88.3	1737.2	193.0	1930.2	Shut-in
03/09/15	23:00:00	88.6	1737.5	193.0	1930.5	Shut-in
03/10/15	00:00:00	88.8	1737.6	193.0	1930.6	Shut-in
03/10/15	01:00:00	89.1	1737.9	193.0	1930.9	Shut-in
03/10/15	02:00:00	89.3	1738.1	193.0	1931.1	Shut-in
03/10/15	03:00:00	89.6	1738.2	193.0	1931.2	Shut-in
03/10/15	04:00:00	89.8	1738.3	193.0	1931.3	Shut-in
03/10/15	05:00:00	90.0	1731.1	193.0	1924.1	Shut-in
03/10/15	06:00:00	90.3	1724.5	193.0	1917.5	Shut-in
03/10/15	07:00:00	90.5	1717.1	193.0	1910.1	Shut-in
03/10/15	08:00:00	90.7	1714.7	193.0	1907.7	Shut-in
03/10/15	09:00:00	90.9	1717.5	193.0	1910.5	Shut-in
03/10/15	10:00:00	91.1	1735.7	193.0	1928.7	Shut-in
03/10/15	11:00:00	91.4	1748.6	193.0	1941.6	Shut-in
03/10/15	12:00:00	91.6	1743.2	193.0	1936.2	Shut-in
03/10/15	13:00:00	91.8	1742.1	193.0	1935.1	Shut-in
03/10/15	14:00:00	92.1	1742.3	193.0	1935.3	Shut-in
03/10/15	15:00:00	92.3	1742.7	193.0	1935.7	Shut-in
03/10/15	16:00:00	92.6	1740.7	193.0	1933.7	Shut-in
03/10/15	17:00:00	92.8	1738.4	193.0	1931.4	Shut-in
03/10/15	18:00:00	93.1	1739.5	193.0	1932.5	Shut-in
03/10/15	19:00:00	93.3	1739.1	193.0	1932.1	Shut-in
03/10/15	20:00:00	93.7	1739.2	193.0	1932.2	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/10/15	21:00:00	93.9	1739.5	193.0	1932.5	Shut-in
03/10/15	22:00:00	94.1	1739.7	193.0	1932.7	Shut-in
03/10/15	23:00:00	94.3	1739.9	193.0	1932.9	Shut-in
03/11/15	00:00:00	94.5	1740.0	193.0	1933.0	Shut-in
03/11/15	01:00:00	94.8	1740.2	193.0	1933.2	Shut-in
03/11/15	02:00:00	95.0	1740.4	193.0	1933.4	Shut-in
03/11/15	03:00:00	95.3	1741.0	193.0	1934.0	Shut-in
03/11/15	04:00:00	95.5	1741.2	193.0	1934.2	Shut-in
03/11/15	05:00:00	95.8	1741.5	193.0	1934.5	Shut-in
03/11/15	06:00:00	96.1	1740.7	193.0	1933.7	Shut-in
03/11/15	07:00:00	96.3	1740.9	193.0	1933.9	Shut-in
03/11/15	08:00:00	96.5	1741.1	193.0	1934.1	Shut-in
03/11/15	09:00:00	96.8	1741.1	193.0	1934.1	Shut-in
03/11/15	10:00:00	97.0	1741.5	193.0	1934.5	Shut-in
03/11/15	11:00:00	97.3	1743.8	193.0	1936.8	Shut-in
03/11/15	12:00:00	97.6	1744.4	193.0	1937.4	Shut-in
03/11/15	13:00:00	97.8	1744.9	193.0	1937.9	Shut-in
03/11/15	14:00:00	98.1	1745.2	193.0	1938.2	Shut-in
03/11/15	15:00:00	98.4	1745.6	193.0	1938.6	Shut-in
03/11/15	16:00:00	98.7	1745.5	193.0	1938.5	Shut-in
03/11/15	17:00:00	99.0	1745.0	193.0	1938.0	Shut-in
03/11/15	18:00:00	99.2	1743.1	193.0	1936.1	Shut-in
03/11/15	19:00:00	99.5	1741.7	193.0	1934.7	Shut-in
03/11/15	20:00:00	99.8	1743.9	193.0	1936.9	Shut-in
03/11/15	21:00:00	100.0	1741.9	193.0	1934.9	Shut-in
03/11/15	22:00:00	100.3	1742.2	193.0	1935.2	Shut-in
03/11/15	23:00:00	100.5	1742.4	193.0	1935.4	Shut-in
03/12/15	00:00:00	100.8	1742.5	193.0	1935.5	Shut-in
03/12/15	01:00:00	101.1	1742.8	193.0	1935.8	Shut-in
03/12/15	02:00:00	101.3	1742.9	193.0	1935.9	Shut-in
03/12/15	03:00:00	101.6	1743.0	193.0	1936.0	Shut-in
03/12/15	04:00:00	101.9	1743.2	193.0	1936.2	Shut-in
03/12/15	05:00:00	102.1	1743.2	193.0	1936.2	Shut-in
03/12/15	06:00:00	102.4	1744.7	193.0	1937.7	Shut-in
03/12/15	07:00:00	102.7	1743.1	193.0	1936.1	Shut-in
03/12/15	08:00:00	102.9	1739.2	193.0	1932.2	Shut-in
03/12/15	09:00:00	103.2	1747.2	193.0	1940.2	Shut-in
03/12/15	10:00:00	103.5	1775.9	193.0	1968.9	Shut-in
03/12/15	11:00:00	103.7	1748.3	193.0	1941.3	Shut-in
03/12/15	12:00:00	104.0	1748.8	193.0	1941.8	Shut-in
03/12/15	13:00:00	104.2	1749.1	193.0	1942.1	Shut-in
03/12/15	14:00:00	104.5	1748.9	193.0	1941.9	Shut-in
03/12/15	15:00:00	104.7	1748.8	193.0	1941.8	Shut-in
03/12/15	16:00:00	105.0	1748.1	193.0	1941.1	Shut-in
03/12/15	17:00:00	105.3	1746.4	193.0	1939.4	Shut-in
03/12/15	18:00:00	105.5	1744.2	193.0	1937.2	Shut-in
03/12/15	19:00:00	105.8	1745.6	193.0	1938.6	Shut-in
03/12/15	20:00:00	106.0	1744.6	193.0	1937.6	Shut-in
03/12/15	21:00:00	106.3	1744.8	193.0	1937.8	Shut-in
03/12/15	22:00:00	106.6	1745.2	193.0	1938.2	Shut-in
03/12/15	23:00:00	106.9	1745.4	193.0	1938.4	Shut-in
03/13/15	00:00:00	107.2	1745.9	193.0	1938.9	Shut-in
03/13/15	01:00:00	107.5	1746.2	193.0	1939.2	Shut-in
03/13/15	02:00:00	107.8	1745.8	193.0	1938.8	Shut-in
03/13/15	03:00:00	107.9	1745.9	193.0	1938.9	Shut-in
03/13/15	04:00:00	108.2	1746.1	193.0	1939.1	Shut-in
03/13/15	05:00:00	108.5	1746.3	193.0	1939.3	Shut-in
03/13/15	06:00:00	108.7	1746.5	193.0	1939.5	Shut-in
03/13/15	07:00:00	109.0	1747.1	193.0	1940.1	Shut-in
03/13/15	08:00:00	109.2	1749.1	193.0	1942.1	Shut-in
03/13/15	09:00:00	109.5	1749.3	193.0	1942.3	Shut-in
03/13/15	10:00:00	109.7	1751.1	193.0	1944.1	Shut-in
03/13/15	11:00:00	110.0	1751.7	193.0	1944.7	Shut-in
03/13/15	12:00:00	110.3	1752.2	193.0	1945.2	Shut-in
03/13/15	13:00:00	110.5	1750.6	193.0	1943.6	Shut-in
03/13/15	14:00:00	110.8	1751.5	193.0	1944.5	Shut-in
03/13/15	15:00:00	111.2	1750.7	193.0	1943.7	Shut-in
03/13/15	16:00:00	111.5	1748.9	193.0	1941.9	Shut-in
03/13/15	17:00:00	111.8	1747.0	193.0	1940.0	Shut-in
03/13/15	18:00:00	112.1	1748.9	193.0	1941.9	Shut-in
03/13/15	19:00:00	112.4	1746.9	193.0	1939.9	Shut-in
03/13/15	20:00:00	112.8	1747.4	193.0	1940.4	Shut-in
03/13/15	21:00:00	113.1	1747.8	193.0	1940.8	Shut-in
03/13/15	22:00:00	113.4	1748.0	193.0	1941.0	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/13/15	23:00:00	113.7	1748.1	193.0	1941.1	Shut-in
03/14/15	00:00:00	114.0	1748.3	193.0	1941.3	Shut-in
03/14/15	01:00:00	114.3	1748.5	193.0	1941.5	Shut-in
03/14/15	02:00:00	114.6	1748.7	193.0	1941.7	Shut-in
03/14/15	03:00:00	115.0	1748.8	193.0	1941.8	Shut-in
03/14/15	04:00:00	115.3	1748.9	193.0	1941.9	Shut-in
03/14/15	05:00:00	115.6	1749.1	193.0	1942.1	Shut-in
03/14/15	06:00:00	115.9	1749.2	193.0	1942.2	Shut-in
03/14/15	07:00:00	116.3	1749.7	193.0	1942.7	Shut-in
03/14/15	08:00:00	116.6	1751.2	193.0	1944.2	Shut-in
03/14/15	09:00:00	116.9	1752.8	193.0	1945.8	Shut-in
03/14/15	10:00:00	117.2	1750.3	193.0	1943.3	Shut-in
03/14/15	11:00:00	117.6	1753.2	193.0	1946.2	Shut-in
03/14/15	12:00:00	117.9	1753.6	193.0	1946.6	Shut-in
03/14/15	13:00:00	118.2	1753.9	193.0	1946.9	Shut-in
03/14/15	14:00:00	118.5	1753.6	193.0	1946.6	Shut-in
03/14/15	15:00:00	118.7	1753.4	193.0	1946.4	Shut-in
03/14/15	16:00:00	118.9	1750.3	193.0	1943.3	Shut-in
03/14/15	17:00:00	119.0	1752.4	193.0	1945.4	Shut-in
03/14/15	18:00:00	119.1	1751.1	193.0	1944.1	Shut-in
03/14/15	19:00:00	119.3	1750.2	193.0	1943.2	Shut-in
03/14/15	20:00:00	119.6	1750.7	193.0	1943.7	Shut-in
03/14/15	21:00:00	119.8	1751.1	193.0	1944.1	Shut-in
03/14/15	22:00:00	120.1	1751.3	193.0	1944.3	Shut-in
03/14/15	23:00:00	120.3	1751.3	193.0	1944.3	Shut-in
03/15/15	00:00:00	120.5	1751.7	193.0	1944.7	Shut-in
03/15/15	01:00:00	120.8	1751.6	193.0	1944.6	Shut-in
03/15/15	02:00:00	121.0	1752.3	193.0	1945.3	Shut-in
03/15/15	03:00:00	121.3	1752.5	193.0	1945.5	Shut-in
03/15/15	04:00:00	121.5	1752.7	193.0	1945.7	Shut-in
03/15/15	05:00:00	121.8	1752.5	193.0	1945.5	Shut-in
03/15/15	06:00:00	122.0	1752.3	193.0	1945.3	Shut-in
03/15/15	07:00:00	122.3	1752.6	193.0	1945.6	Shut-in
03/15/15	08:00:00	122.5	1753.3	193.0	1946.3	Shut-in
03/15/15	09:00:00	122.7	1754.8	193.0	1947.8	Shut-in
03/15/15	10:00:00	122.9	1755.7	193.0	1948.7	Shut-in
03/15/15	11:00:00	123.2	1754.5	193.0	1947.5	Shut-in
03/15/15	12:00:00	123.4	1754.9	193.0	1947.9	Shut-in
03/15/15	13:00:00	123.5	1755.6	193.0	1948.6	Shut-in
03/15/15	14:00:00	123.5	1755.0	193.0	1948.0	Shut-in
03/15/15	15:00:00	123.8	1753.8	193.0	1946.8	Shut-in
03/15/15	16:00:00	124.0	1753.4	193.0	1946.4	Shut-in
03/15/15	17:00:00	124.2	1755.2	193.0	1948.2	Shut-in
03/15/15	18:00:00	124.5	1754.6	193.0	1947.6	Shut-in
03/15/15	19:00:00	124.7	1753.8	193.0	1946.8	Shut-in
03/15/15	20:00:00	125.0	1753.6	193.0	1946.6	Shut-in
03/15/15	21:00:00	125.2	1753.8	193.0	1946.8	Shut-in
03/15/15	22:00:00	125.5	1754.6	193.0	1947.6	Shut-in
03/15/15	23:00:00	125.7	1754.8	193.0	1947.8	Shut-in
03/16/15	00:00:00	126.0	1755.1	193.0	1948.1	Shut-in
03/16/15	01:00:00	126.3	1755.1	193.0	1948.1	Shut-in
03/16/15	02:00:00	126.4	1755.4	193.0	1948.4	Shut-in
03/16/15	03:00:00	126.7	1754.5	193.0	1947.5	Shut-in
03/16/15	04:00:00	126.9	1756.0	193.0	1949.0	Shut-in
03/16/15	05:00:00	127.2	1754.9	193.0	1947.9	Shut-in
03/16/15	06:00:00	127.4	1754.6	193.0	1947.6	Shut-in
03/16/15	07:00:00	127.7	1755.1	193.0	1948.1	Shut-in
03/16/15	08:00:00	127.9	1755.2	193.0	1948.2	Shut-in
03/16/15	09:00:00	128.2	1756.5	193.0	1949.5	Shut-in
03/16/15	10:00:00	128.4	1756.5	193.0	1949.5	Shut-in
03/16/15	11:00:00	128.7	1756.7	193.0	1949.7	Shut-in
03/16/15	12:00:00	129.0	1757.1	193.0	1950.1	Shut-in
03/16/15	13:00:00	129.2	1757.4	193.0	1950.4	Shut-in
03/16/15	14:00:00	129.4	1756.5	193.0	1949.5	Shut-in
03/16/15	15:00:00	129.8	1756.7	193.0	1949.7	Shut-in
03/16/15	16:00:00	130.0	1757.1	193.0	1950.1	Shut-in
03/16/15	17:00:00	130.3	1756.8	193.0	1949.8	Shut-in
03/16/15	18:00:00	130.7	1755.9	193.0	1948.9	Shut-in
03/16/15	19:00:00	131.0	(3)	193.0	(3)	Shut-in
03/16/15	20:00:00	131.4	(3)	193.0	(3)	Shut-in
03/16/15	21:00:00	131.7	1756.0	193.0	1949.0	Shut-in
03/16/15	22:00:00	132.0	1756.2	193.0	1949.2	Shut-in
03/16/15	23:00:00	132.4	1756.4	193.0	1949.4	Shut-in
03/17/15	00:00:00	132.7	1756.6	193.0	1949.6	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/17/15	01:00:00	133.1	1757.0	193.0	1950.0	Shut-in
03/17/15	02:00:00	133.4	1756.7	193.0	1949.7	Shut-in
03/17/15	03:00:00	133.7	1757.0	193.0	1950.0	Shut-in
03/17/15	04:00:00	134.1	1757.0	193.0	1950.0	Shut-in
03/17/15	05:00:00	134.4	1757.7	193.0	1950.7	Shut-in
03/17/15	06:00:00	134.7	1757.0	193.0	1950.0	Shut-in
03/17/15	07:00:00	135.1	1756.8	193.0	1949.8	Shut-in
03/17/15	08:00:00	135.4	1756.9	193.0	1949.9	Shut-in
03/17/15	09:00:00	135.8	1758.0	193.0	1951.0	Shut-in
03/17/15	10:00:00	136.1	1759.5	193.0	1952.5	Shut-in
03/17/15	11:00:00	136.4	1759.5	193.0	1952.5	Shut-in
03/17/15	12:00:00	136.8	1759.7	193.0	1952.7	Shut-in
03/17/15	13:00:00	137.1	1759.5	193.0	1952.5	Shut-in
03/17/15	14:00:00	137.4	1760.4	193.0	1953.4	Shut-in
03/17/15	15:00:00	137.8	1760.2	193.0	1953.2	Shut-in
03/17/15	16:00:00	138.1	1759.6	193.0	1952.6	Shut-in
03/17/15	17:00:00	138.4	1760.7	193.0	1953.7	Shut-in
03/17/15	18:00:00	138.8	1759.7	193.0	1952.7	Shut-in
03/17/15	19:00:00	139.1	1758.3	193.0	1951.3	Shut-in
03/17/15	20:00:00	139.4	1757.9	193.0	1950.9	Shut-in
03/17/15	21:00:00	139.8	1758.8	193.0	1951.8	Shut-in
03/17/15	22:00:00	140.1	1759.1	193.0	1952.1	Shut-in
03/17/15	23:00:00	140.5	1759.3	193.0	1952.3	Shut-in
03/18/15	00:00:00	140.8	1759.6	193.0	1952.6	Shut-in
03/18/15	01:00:00	141.1	1760.3	193.0	1953.3	Shut-in
03/18/15	02:00:00	141.5	1759.8	193.0	1952.8	Shut-in
03/18/15	03:00:00	141.8	1760.2	193.0	1953.2	Shut-in
03/18/15	04:00:00	142.1	1760.3	193.0	1953.3	Shut-in
03/18/15	05:00:00	142.5	1760.1	193.0	1953.1	Shut-in
03/18/15	06:00:00	142.8	1760.3	193.0	1953.3	Shut-in
03/18/15	07:00:00	143.1	1760.5	193.0	1953.5	Shut-in
03/18/15	08:00:00	143.3	1760.7	193.0	1953.7	Shut-in
03/18/15	09:00:00	143.5	1761.8	193.0	1954.8	Shut-in
03/18/15	10:00:00	143.7	1763.4	193.0	1956.4	Shut-in
03/18/15	11:00:00	144.0	1764.1	193.0	1957.1	Shut-in
03/18/15	12:00:00	144.2	1763.8	193.0	1956.8	Shut-in
03/18/15	13:00:00	144.5	1763.9	193.0	1956.9	Shut-in
03/18/15	14:00:00	144.7	1763.5	193.0	1956.5	Shut-in
03/18/15	15:00:00	145.0	1764.0	193.0	1957.0	Shut-in
03/18/15	16:00:00	145.3	1762.3	193.0	1955.3	Shut-in
03/18/15	17:00:00	145.5	1765.0	193.0	1958.0	Shut-in
03/18/15	18:00:00	145.8	1763.6	193.0	1956.6	Shut-in
03/18/15	19:00:00	146.0	1761.7	193.0	1954.7	Shut-in
03/18/15	20:00:00	146.3	1761.5	193.0	1954.5	Shut-in
03/18/15	21:00:00	146.5	1761.8	193.0	1954.8	Shut-in
03/18/15	22:00:00	146.8	1762.5	193.0	1955.5	Shut-in
03/18/15	23:00:00	147.1	1762.8	193.0	1955.8	Shut-in
03/19/15	00:00:00	147.3	1763.2	193.0	1956.2	Shut-in
03/19/15	01:00:00	147.6	1764.1	193.0	1957.1	Shut-in
03/19/15	02:00:00	147.9	1763.5	193.0	1956.5	Shut-in
03/19/15	03:00:00	148.1	1763.1	193.0	1956.1	Shut-in
03/19/15	04:00:00	148.4	1763.3	193.0	1956.3	Shut-in
03/19/15	05:00:00	148.7	1764.1	193.0	1957.1	Shut-in
03/19/15	06:00:00	148.9	1764.1	193.0	1957.1	Shut-in
03/19/15	07:00:00	149.2	1763.4	193.0	1956.4	Shut-in
03/19/15	08:00:00	149.4	1763.1	193.0	1956.1	Shut-in
03/19/15	09:00:00	149.5	1764.6	193.0	1957.6	Shut-in
03/19/15	10:00:00	149.7	1797.2	193.0	1990.2	Shut-in
03/19/15	11:00:00	149.9	1767.5	193.0	1960.5	Shut-in
03/19/15	12:00:00	150.1	1767.9	193.0	1960.9	Shut-in
03/19/15	13:00:00	150.4	1767.5	193.0	1960.5	Shut-in
03/19/15	14:00:00	150.6	1767.2	193.0	1960.2	Shut-in
03/19/15	15:00:00	150.9	1767.4	193.0	1960.4	Shut-in
03/19/15	16:00:00	151.1	1764.9	193.0	1957.9	Shut-in
03/19/15	17:00:00	151.3	1765.7	193.0	1958.7	Shut-in
03/19/15	18:00:00	151.5	1765.2	193.0	1958.2	Shut-in
03/19/15	19:00:00	151.8	1764.2	193.0	1957.2	Shut-in
03/19/15	20:00:00	152.0	1763.6	193.0	1956.6	Shut-in
03/19/15	21:00:00	152.3	1763.9	193.0	1956.9	Shut-in
03/19/15	22:00:00	152.6	1764.4	193.0	1957.4	Shut-in
03/19/15	23:00:00	152.8	1764.6	193.0	1957.6	Shut-in
03/20/15	00:00:00	153.1	1764.7	193.0	1957.7	Shut-in
03/20/15	01:00:00	153.3	1764.9	193.0	1957.9	Shut-in
03/20/15	02:00:00	153.5	1765.3	193.0	1958.3	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/20/15	03:00:00	153.8	1765.2	193.0	1958.2	Shut-in
03/20/15	04:00:00	154.0	1765.3	193.0	1958.3	Shut-in
03/20/15	05:00:00	154.3	1765.5	193.0	1958.5	Shut-in
03/20/15	06:00:00	154.6	1765.6	193.0	1958.6	Shut-in
03/20/15	07:00:00	154.8	1765.6	193.0	1958.6	Shut-in
03/20/15	08:00:00	155.1	1765.3	193.0	1958.3	Shut-in
03/20/15	09:00:00	155.4	1774.2	193.0	1967.2	Shut-in
03/20/15	10:00:00	155.6	1811.3	193.0	2004.3	Shut-in
03/20/15	11:00:00	155.9	1769.3	193.0	1962.3	Shut-in
03/20/15	12:00:00	156.1	1769.6	193.0	1962.6	Shut-in
03/20/15	13:00:00	156.3	1769.6	193.0	1962.6	Shut-in
03/20/15	14:00:00	156.6	1768.9	193.0	1961.9	Shut-in
03/20/15	15:00:00	156.8	1766.7	193.0	1959.7	Shut-in
03/20/15	16:00:00	157.1	1767.7	193.0	1960.7	Shut-in
03/20/15	17:00:00	157.4	1767.3	193.0	1960.3	Shut-in
03/20/15	18:00:00	157.6	1766.7	193.0	1959.7	Shut-in
03/20/15	19:00:00	157.9	1766.9	193.0	1959.9	Shut-in
03/20/15	20:00:00	158.2	1766.6	193.0	1959.6	Shut-in
03/20/15	21:00:00	158.4	1767.0	193.0	1960.0	Shut-in
03/20/15	22:00:00	158.7	1767.3	193.0	1960.3	Shut-in
03/20/15	23:00:00	159.0	1767.1	193.0	1960.1	Shut-in
03/21/15	00:00:00	159.2	1768.0	193.0	1961.0	Shut-in
03/21/15	01:00:00	159.5	1768.7	193.0	1961.7	Shut-in
03/21/15	02:00:00	159.8	1768.0	193.0	1961.0	Shut-in
03/21/15	03:00:00	160.0	1768.9	193.0	1961.9	Shut-in
03/21/15	04:00:00	160.3	1769.6	193.0	1962.6	Shut-in
03/21/15	05:00:00	160.6	1768.7	193.0	1961.7	Shut-in
03/21/15	06:00:00	160.8	1767.9	193.0	1960.9	Shut-in
03/21/15	07:00:00	161.1	1767.9	193.0	1960.9	Shut-in
03/21/15	08:00:00	161.4	1769.2	193.0	1962.2	Shut-in
03/21/15	09:00:00	161.6	1769.9	193.0	1962.9	Shut-in
03/21/15	10:00:00	161.9	1770.9	193.0	1963.9	Shut-in
03/21/15	11:00:00	162.1	1771.6	193.0	1964.6	Shut-in
03/21/15	12:00:00	162.4	1771.6	193.0	1964.6	Shut-in
03/21/15	13:00:00	162.7	1771.9	193.0	1964.9	Shut-in
03/21/15	14:00:00	162.9	1771.4	193.0	1964.4	Shut-in
03/21/15	15:00:00	163.2	1771.1	193.0	1964.1	Shut-in
03/21/15	16:00:00	163.5	1770.6	193.0	1963.6	Shut-in
03/21/15	17:00:00	163.7	1770.2	193.0	1963.2	Shut-in
03/21/15	18:00:00	164.0	1770.1	193.0	1963.1	Shut-in
03/21/15	19:00:00	164.2	1769.1	193.0	1962.1	Shut-in
03/21/15	20:00:00	164.5	1768.5	193.0	1961.5	Shut-in
03/21/15	21:00:00	164.8	1768.7	193.0	1961.7	Shut-in
03/21/15	22:00:00	165.0	1768.9	193.0	1961.9	Shut-in
03/21/15	23:00:00	165.3	1769.2	193.0	1962.2	Shut-in
03/22/15	00:00:00	165.6	1769.5	193.0	1962.5	Shut-in
03/22/15	01:00:00	165.8	1770.2	193.0	1963.2	Shut-in
03/22/15	02:00:00	166.1	1770.5	193.0	1963.5	Shut-in
03/22/15	03:00:00	166.4	1769.9	193.0	1962.9	Shut-in
03/22/15	04:00:00	166.6	1770.4	193.0	1963.4	Shut-in
03/22/15	05:00:00	166.9	1771.5	193.0	1964.5	Shut-in
03/22/15	06:00:00	167.2	1770.2	193.0	1963.2	Shut-in
03/22/15	07:00:00	167.4	1770.3	193.0	1963.3	Shut-in
03/22/15	08:00:00	167.7	1770.5	193.0	1963.5	Shut-in
03/22/15	09:00:00	168.0	1771.2	193.0	1964.2	Shut-in
03/22/15	10:00:00	168.3	1773.4	193.0	1966.4	Shut-in
03/22/15	11:00:00	168.5	1774.0	193.0	1967.0	Shut-in
03/22/15	12:00:00	168.8	1772.4	193.0	1965.4	Shut-in
03/22/15	13:00:00	169.1	1771.4	193.0	1964.4	Shut-in
03/22/15	14:00:00	169.3	1773.2	193.0	1966.2	Shut-in
03/22/15	15:00:00	169.6	1772.4	193.0	1965.4	Shut-in
03/22/15	16:00:00	169.8	1774.1	193.0	1967.1	Shut-in
03/22/15	17:00:00	170.1	1772.1	193.0	1965.1	Shut-in
03/22/15	18:00:00	170.4	1773.1	193.0	1966.1	Shut-in
03/22/15	19:00:00	170.6	1772.2	193.0	1965.2	Shut-in
03/22/15	20:00:00	170.9	1771.4	193.0	1964.4	Shut-in
03/22/15	21:00:00	171.2	1771.3	193.0	1964.3	Shut-in
03/22/15	22:00:00	171.4	1771.5	193.0	1964.5	Shut-in
03/22/15	23:00:00	171.7	1772.0	193.0	1965.0	Shut-in
03/23/15	00:00:00	172.0	1772.1	193.0	1965.1	Shut-in
03/23/15	01:00:00	172.2	1773.0	193.0	1966.0	Shut-in
03/23/15	02:00:00	172.5	1772.2	193.0	1965.2	Shut-in
03/23/15	03:00:00	172.8	1772.3	193.0	1965.3	Shut-in
03/23/15	04:00:00	173.0	1773.1	193.0	1966.1	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/23/15	05:00:00	173.3	1772.6	193.0	1965.6	Shut-in
03/23/15	06:00:00	173.6	1772.8	193.0	1965.8	Shut-in
03/23/15	07:00:00	173.8	1772.8	193.0	1965.8	Shut-in
03/23/15	08:00:00	174.1	1773.2	193.0	1966.2	Shut-in
03/23/15	09:00:00	174.3	1774.8	193.0	1967.8	Shut-in
03/23/15	10:00:00	174.6	1775.3	193.0	1968.3	Shut-in
03/23/15	11:00:00	174.9	1775.5	193.0	1968.5	Shut-in
03/23/15	12:00:00	175.2	1775.5	193.0	1968.5	Shut-in
03/23/15	13:00:00	175.4	1776.8	193.0	1969.8	Shut-in
03/23/15	14:00:00	175.7	1774.6	193.0	1967.6	Shut-in
03/23/15	15:00:00	176.0	1776.7	193.0	1969.7	Shut-in
03/23/15	16:00:00	176.2	1774.9	193.0	1967.9	Shut-in
03/23/15	17:00:00	176.5	1776.2	193.0	1969.2	Shut-in
03/23/15	18:00:00	176.8	1774.0	193.0	1967.0	Shut-in
03/23/15	19:00:00	177.0	1773.7	193.0	1966.7	Shut-in
03/23/15	20:00:00	177.3	1774.0	193.0	1967.0	Shut-in
03/23/15	21:00:00	177.6	1774.1	193.0	1967.1	Shut-in
03/23/15	22:00:00	177.9	1774.3	193.0	1967.3	Shut-in
03/23/15	23:00:00	178.1	1774.4	193.0	1967.4	Shut-in
03/24/15	00:00:00	178.4	1774.6	193.0	1967.6	Shut-in
03/24/15	01:00:00	178.7	1774.8	193.0	1967.8	Shut-in
03/24/15	02:00:00	178.9	1775.0	193.0	1968.0	Shut-in
03/24/15	03:00:00	179.2	1774.9	193.0	1967.9	Shut-in
03/24/15	04:00:00	179.5	1775.2	193.0	1968.2	Shut-in
03/24/15	05:00:00	179.7	1776.0	193.0	1969.0	Shut-in
03/24/15	06:00:00	180.0	1777.2	193.0	1970.2	Shut-in
03/24/15	07:00:00	180.3	1777.1	193.0	1970.1	Shut-in
03/24/15	08:00:00	180.5	1776.1	193.0	1969.1	Shut-in
03/24/15	09:00:00	180.8	1777.7	193.0	1970.7	Shut-in
03/24/15	10:00:00	181.1	1777.9	193.0	1970.9	Shut-in
03/24/15	11:00:00	181.3	1777.8	193.0	1970.8	Shut-in
03/24/15	12:00:00	181.6	1777.7	193.0	1970.7	Shut-in
03/24/15	13:00:00	181.9	1778.3	193.0	1971.3	Shut-in
03/24/15	14:00:00	182.1	1777.6	193.0	1970.6	Shut-in
03/24/15	15:00:00	182.4	1778.9	193.0	1971.9	Shut-in
03/24/15	16:00:00	182.7	1778.6	193.0	1971.6	Shut-in
03/24/15	17:00:00	182.9	1777.1	193.0	1970.1	Shut-in
03/24/15	18:00:00	183.2	1778.3	193.0	1971.3	Shut-in
03/24/15	19:00:00	183.5	1776.2	193.0	1969.2	Shut-in
03/24/15	20:00:00	183.7	1776.3	193.0	1969.3	Shut-in
03/24/15	21:00:00	183.9	1776.6	193.0	1969.6	Shut-in
03/24/15	22:00:00	184.2	1776.8	193.0	1969.8	Shut-in
03/24/15	23:00:00	184.5	1777.0	193.0	1970.0	Shut-in
03/25/15	00:00:00	184.7	1777.5	193.0	1970.5	Shut-in
03/25/15	01:00:00	185.0	1777.3	193.0	1970.3	Shut-in
03/25/15	02:00:00	185.3	1777.7	193.0	1970.7	Shut-in
03/25/15	03:00:00	185.5	1777.8	193.0	1970.8	Shut-in
03/25/15	04:00:00	185.8	1778.1	193.0	1971.1	Shut-in
03/25/15	05:00:00	186.1	1779.3	193.0	1972.3	Shut-in
03/25/15	06:00:00	186.3	1778.5	193.0	1971.5	Shut-in
03/25/15	07:00:00	186.6	1777.9	193.0	1970.9	Shut-in
03/25/15	08:00:00	186.8	1778.1	193.0	1971.1	Shut-in
03/25/15	09:00:00	187.1	1779.9	193.0	1972.9	Shut-in
03/25/15	10:00:00	187.3	1780.7	193.0	1973.7	Shut-in
03/25/15	11:00:00	187.3	1782.0	193.0	1975.0	Shut-in
03/25/15	12:00:00	187.3	1782.6	193.0	1975.6	Shut-in
03/25/15	13:00:00	187.3	1780.9	193.0	1973.9	Shut-in
03/25/15	14:00:00	187.3	1782.8	193.0	1975.8	Shut-in
03/25/15	15:00:00	187.3	1780.8	193.0	1973.8	Shut-in
03/25/15	16:00:00	187.3	1782.3	193.0	1975.3	Shut-in
03/25/15	17:00:00	187.4	1781.1	193.0	1974.1	Shut-in
03/25/15	18:00:00	187.5	1780.4	193.0	1973.4	Shut-in
03/25/15	19:00:00	187.5	1783.7	193.0	1976.7	Shut-in
03/25/15	20:00:00	187.6	1778.8	193.0	1971.8	Shut-in
03/25/15	21:00:00	187.8	1778.6	193.0	1971.6	Shut-in
03/25/15	22:00:00	188.2	1778.9	193.0	1971.9	Shut-in
03/25/15	23:00:00	188.6	1779.0	193.0	1972.0	Shut-in
03/26/15	00:00:00	189.0	1779.1	193.0	1972.1	Shut-in
03/26/15	01:00:00	189.4	1779.2	193.0	1972.2	Shut-in
03/26/15	02:00:00	189.8	1779.3	193.0	1972.3	Shut-in
03/26/15	03:00:00	190.2	1779.3	193.0	1972.3	Shut-in
03/26/15	04:00:00	190.6	1779.5	193.0	1972.5	Shut-in
03/26/15	05:00:00	191.0	1779.4	193.0	1972.4	Shut-in
03/26/15	06:00:00	191.4	1779.5	193.0	1972.5	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/26/15	07:00:00	191.8	1777.9	193.0	1970.9	Shut-in
03/26/15	08:00:00	192.2	1775.1	193.0	1968.1	Shut-in
03/26/15	09:00:00	192.7	1783.2	193.0	1976.2	Shut-in
03/26/15	10:00:00	193.0	1789.2	193.0	1982.2	Shut-in
03/26/15	11:00:00	193.3	1783.6	193.0	1976.6	Shut-in
03/26/15	12:00:00	193.7	1783.7	193.0	1976.7	Shut-in
03/26/15	13:00:00	194.1	1783.4	193.0	1976.4	Shut-in
03/26/15	14:00:00	194.4	1783.5	193.0	1976.5	Shut-in
03/26/15	15:00:00	194.8	1783.4	193.0	1976.4	Shut-in
03/26/15	16:00:00	195.2	1782.6	193.0	1975.6	Shut-in
03/26/15	17:00:00	195.6	1783.9	193.0	1976.9	Shut-in
03/26/15	18:00:00	196.0	1783.8	193.0	1976.8	Shut-in
03/26/15	19:00:00	196.4	1780.5	193.0	1973.5	Shut-in
03/26/15	20:00:00	196.8	1780.7	193.0	1973.7	Shut-in
03/26/15	21:00:00	197.2	1781.7	193.0	1974.7	Shut-in
03/26/15	22:00:00	197.6	1782.0	193.0	1975.0	Shut-in
03/26/15	23:00:00	198.0	1782.4	193.0	1975.4	Shut-in
03/27/15	00:00:00	198.4	1782.7	193.0	1975.7	Shut-in
03/27/15	01:00:00	198.8	1782.8	193.0	1975.8	Shut-in
03/27/15	02:00:00	199.2	1783.0	193.0	1976.0	Shut-in
03/27/15	03:00:00	199.6	1783.1	193.0	1976.1	Shut-in
03/27/15	04:00:00	200.0	1783.3	193.0	1976.3	Shut-in
03/27/15	05:00:00	200.4	1783.5	193.0	1976.5	Shut-in
03/27/15	06:00:00	200.9	1783.7	193.0	1976.7	Shut-in
03/27/15	07:00:00	201.3	1783.9	193.0	1976.9	Shut-in
03/27/15	08:00:00	201.7	1784.0	193.0	1977.0	Shut-in
03/27/15	09:00:00	202.1	1784.9	193.0	1977.9	Shut-in
03/27/15	10:00:00	202.5	1785.8	193.0	1978.8	Shut-in
03/27/15	11:00:00	202.9	1786.5	193.0	1979.5	Shut-in
03/27/15	12:00:00	203.3	1787.2	193.0	1980.2	Shut-in
03/27/15	13:00:00	203.8	1787.2	193.0	1980.2	Shut-in
03/27/15	14:00:00	204.1	1786.1	193.0	1979.1	Shut-in
03/27/15	15:00:00	204.5	1786.5	193.0	1979.5	Shut-in
03/27/15	16:00:00	204.9	1787.5	193.0	1980.5	Shut-in
03/27/15	17:00:00	205.3	1786.0	193.0	1979.0	Shut-in
03/27/15	18:00:00	205.7	1784.6	193.0	1977.6	Shut-in
03/27/15	19:00:00	206.2	1784.7	193.0	1977.7	Shut-in
03/27/15	20:00:00	206.6	1784.9	193.0	1977.9	Shut-in
03/27/15	21:00:00	207.0	1785.3	193.0	1978.3	Shut-in
03/27/15	22:00:00	207.4	1785.8	193.0	1978.8	Shut-in
03/27/15	23:00:00	207.8	1786.0	193.0	1979.0	Shut-in
03/28/15	00:00:00	208.2	1785.8	193.0	1978.8	Shut-in
03/28/15	01:00:00	208.6	1786.6	193.0	1979.6	Shut-in
03/28/15	02:00:00	209.1	1787.0	193.0	1980.0	Shut-in
03/28/15	03:00:00	209.5	1788.0	193.0	1981.0	Shut-in
03/28/15	04:00:00	209.9	1787.8	193.0	1980.8	Shut-in
03/28/15	05:00:00	210.3	1787.1	193.0	1980.1	Shut-in
03/28/15	06:00:00	210.7	1787.8	193.0	1980.8	Shut-in
03/28/15	07:00:00	211.2	1787.9	193.0	1980.9	Shut-in
03/28/15	08:00:00	211.6	1787.3	193.0	1980.3	Shut-in
03/28/15	09:00:00	212.0	1789.2	193.0	1982.2	Shut-in
03/28/15	10:00:00	212.4	1789.3	193.0	1982.3	Shut-in
03/28/15	11:00:00	212.8	1790.2	193.0	1983.2	Shut-in
03/28/15	12:00:00	213.2	1790.4	193.0	1983.4	Shut-in
03/28/15	13:00:00	213.7	1791.1	193.0	1984.1	Shut-in
03/28/15	14:00:00	214.1	1791.9	193.0	1984.9	Shut-in
03/28/15	15:00:00	214.5	1790.6	193.0	1983.6	Shut-in
03/28/15	16:00:00	214.9	1792.3	193.0	1985.3	Shut-in
03/28/15	17:00:00	215.3	1792.6	193.0	1985.6	Shut-in
03/28/15	18:00:00	215.7	1791.4	193.0	1984.4	Shut-in
03/28/15	19:00:00	216.1	1788.8	193.0	1981.8	Shut-in
03/28/15	20:00:00	216.5	1789.6	193.0	1982.6	Shut-in
03/28/15	21:00:00	216.9	1789.6	193.0	1982.6	Shut-in
03/28/15	22:00:00	217.0	1790.0	193.0	1983.0	Shut-in
03/28/15	23:00:00	217.3	1790.2	193.0	1983.2	Shut-in
03/29/15	00:00:00	217.6	1790.4	193.0	1983.4	Shut-in
03/29/15	01:00:00	217.9	1790.8	193.0	1983.8	Shut-in
03/29/15	02:00:00	218.3	1791.9	193.0	1984.9	Shut-in
03/29/15	03:00:00	218.6	1791.6	193.0	1984.6	Shut-in
03/29/15	04:00:00	219.0	1791.1	193.0	1984.1	Shut-in
03/29/15	05:00:00	219.3	1791.6	193.0	1984.6	Shut-in
03/29/15	06:00:00	219.6	1792.7	193.0	1985.7	Shut-in
03/29/15	07:00:00	220.0	1792.0	193.0	1985.0	Shut-in
03/29/15	08:00:00	220.3	1792.1	193.0	1985.1	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
03/29/15	09:00:00	220.7	1793.7	193.0	1986.7	Shut-in
03/29/15	10:00:00	221.0	1794.3	193.0	1987.3	Shut-in
03/29/15	11:00:00	221.3	1794.8	193.0	1987.8	Shut-in
03/29/15	12:00:00	221.7	1795.4	193.0	1988.4	Shut-in
03/29/15	13:00:00	222.0	1795.8	193.0	1988.8	Shut-in
03/29/15	14:00:00	222.3	1796.2	193.0	1989.2	Shut-in
03/29/15	15:00:00	222.7	1796.3	193.0	1989.3	Shut-in
03/29/15	16:00:00	223.0	1795.5	193.0	1988.5	Shut-in
03/29/15	17:00:00	223.3	1796.9	193.0	1989.9	Shut-in
03/29/15	18:00:00	223.7	1795.1	193.0	1988.1	Shut-in
03/29/15	19:00:00	224.0	1793.2	193.0	1986.2	Shut-in
03/29/15	20:00:00	224.3	1793.0	193.0	1986.0	Shut-in
03/29/15	21:00:00	224.7	1793.5	193.0	1986.5	Shut-in
03/29/15	22:00:00	225.0	1793.6	193.0	1986.6	Shut-in
03/29/15	23:00:00	225.4	1793.8	193.0	1986.8	Shut-in
03/30/15	00:00:00	225.7	1794.0	193.0	1987.0	Shut-in
03/30/15	01:00:00	226.1	1794.1	193.0	1987.1	Shut-in
03/30/15	02:00:00	226.4	1794.3	193.0	1987.3	Shut-in
03/30/15	03:00:00	226.7	1794.8	193.0	1987.8	Shut-in
03/30/15	04:00:00	227.1	1795.0	193.0	1988.0	Shut-in
03/30/15	05:00:00	227.4	1795.0	193.0	1988.0	Shut-in
03/30/15	06:00:00	227.8	1795.7	193.0	1988.7	Shut-in
03/30/15	07:00:00	228.1	1795.7	193.0	1988.7	Shut-in
03/30/15	08:00:00	228.5	1795.9	193.0	1988.9	Shut-in
03/30/15	09:00:00	228.8	1797.0	193.0	1990.0	Shut-in
03/30/15	10:00:00	229.1	1797.6	193.0	1990.6	Shut-in
03/30/15	11:00:00	229.5	1798.2	193.0	1991.2	Shut-in
03/30/15	12:00:00	229.9	1798.1	193.0	1991.1	Shut-in
03/30/15	13:00:00	230.3	1799.3	193.0	1992.3	Shut-in
03/30/15	14:00:00	230.7	1799.0	193.0	1992.0	Shut-in
03/30/15	15:00:00	231.1	1798.5	193.0	1991.5	Shut-in
03/30/15	16:00:00	231.5	1798.2	193.0	1991.2	Shut-in
03/30/15	17:00:00	232.0	1797.5	193.0	1990.5	Shut-in
03/30/15	18:00:00	232.4	1796.3	193.0	1989.3	Shut-in
03/30/15	19:00:00	232.8	1796.7	193.0	1989.7	Shut-in
03/30/15	20:00:00	233.2	1796.7	193.0	1989.7	Shut-in
03/30/15	21:00:00	233.6	1796.8	193.0	1989.8	Shut-in
03/30/15	22:00:00	234.0	1797.0	193.0	1990.0	Shut-in
03/30/15	23:00:00	234.3	1797.2	193.0	1990.2	Shut-in
03/31/15	00:00:00	234.7	1798.6	193.0	1991.6	Shut-in
03/31/15	01:00:00	235.0	1798.0	193.0	1991.0	Shut-in
03/31/15	02:00:00	235.4	1799.0	193.0	1992.0	Shut-in
03/31/15	03:00:00	235.8	1799.1	193.0	1992.1	Shut-in
03/31/15	04:00:00	236.1	1798.5	193.0	1991.5	Shut-in
03/31/15	05:00:00	236.5	1798.5	193.0	1991.5	Shut-in
03/31/15	06:00:00	236.8	1798.5	193.0	1991.5	Shut-in
03/31/15	07:00:00	237.2	1798.9	193.0	1991.9	Shut-in
03/31/15	08:00:00	237.5	1799.2	193.0	1992.2	Shut-in
03/31/15	09:00:00	237.9	1800.8	193.0	1993.8	Shut-in
03/31/15	10:00:00	238.2	1801.2	193.0	1994.2	Shut-in
03/31/15	11:00:00	238.6	1801.5	193.0	1994.5	Shut-in
03/31/15	12:00:00	238.9	1801.6	193.0	1994.6	Shut-in
03/31/15	13:00:00	239.3	1802.0	193.0	1995.0	Shut-in
03/31/15	14:00:00	239.6	1801.8	193.0	1994.8	Shut-in
03/31/15	15:00:00	240.0	1801.8	193.0	1994.8	Shut-in
03/31/15	16:00:00	240.3	1802.0	193.0	1995.0	Shut-in
03/31/15	17:00:00	240.7	1802.0	193.0	1995.0	Shut-in
03/31/15	18:00:00	241.0	1800.9	193.0	1993.9	Shut-in
03/31/15	19:00:00	241.4	1800.7	193.0	1993.7	Shut-in
03/31/15	20:00:00	241.7	1800.4	193.0	1993.4	Shut-in
03/31/15	21:00:00	242.1	1800.5	193.0	1993.5	Shut-in
03/31/15	22:00:00	242.4	1800.7	193.0	1993.7	Shut-in
03/31/15	23:00:00	242.8	1800.8	193.0	1993.8	Shut-in
04/01/15	00:00:00	243.2	1801.4	193.0	1994.4	Shut-in
04/01/15	01:00:00	243.5	1802.3	193.0	1995.3	Shut-in
04/01/15	02:00:00	243.9	1802.0	193.0	1995.0	Shut-in
04/01/15	03:00:00	244.2	1802.3	193.0	1995.3	Shut-in
04/01/15	04:00:00	244.6	1801.7	193.0	1994.7	Shut-in
04/01/15	05:00:00	245.0	1802.0	193.0	1995.0	Shut-in
04/01/15	06:00:00	245.3	1802.9	193.0	1995.9	Shut-in
04/01/15	07:00:00	245.7	1802.8	193.0	1995.8	Shut-in
04/01/15	08:00:00	245.7	1804.5	193.0	1997.5	Shut-in
04/01/15	09:00:00	245.7	1823.1	193.0	2016.1	Shut-in
04/01/15	10:00:00	245.7	1847.2	193.0	2040.2	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/01/15	11:00:00	245.7	1804.5	193.0	1997.5	Shut-in
04/01/15	12:00:00	245.7	1805.2	193.0	1998.2	Shut-in
04/01/15	13:00:00	245.7	1804.7	193.0	1997.7	Shut-in
04/01/15	14:00:00	245.7	1805.3	193.0	1998.3	Shut-in
04/01/15	15:00:00	245.7	1805.1	193.0	1998.1	Shut-in
04/01/15	16:00:00	245.7	1805.4	193.0	1998.4	Shut-in
04/01/15	17:00:00	245.7	1804.2	193.0	1997.2	Shut-in
04/01/15	18:00:00	245.7	1805.6	193.0	1998.6	Shut-in
04/01/15	19:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/01/15	20:00:00	245.7	1803.5	193.0	1996.5	Shut-in
04/01/15	21:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/01/15	22:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/01/15	23:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/02/15	00:00:00	245.7	1804.7	193.0	1997.7	Shut-in
04/02/15	01:00:00	245.7	1803.9	193.0	1996.9	Shut-in
04/02/15	02:00:00	245.7	1804.2	193.0	1997.2	Shut-in
04/02/15	03:00:00	245.7	1804.0	193.0	1997.0	Shut-in
04/02/15	04:00:00	245.7	1805.4	193.0	1998.4	Shut-in
04/02/15	05:00:00	245.7	1804.5	193.0	1997.5	Shut-in
04/02/15	06:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/02/15	07:00:00	245.7	1804.9	193.0	1997.9	Shut-in
04/02/15	08:00:00	245.7	1803.8	193.0	1996.8	Shut-in
04/02/15	09:00:00	245.7	1805.4	193.0	1998.4	Shut-in
04/02/15	10:00:00	245.7	1805.7	193.0	1998.7	Shut-in
04/02/15	11:00:00	245.7	1805.4	193.0	1998.4	Shut-in
04/02/15	12:00:00	245.7	1806.0	193.0	1999.0	Shut-in
04/02/15	13:00:00	245.7	1805.4	193.0	1998.4	Shut-in
04/02/15	14:00:00	245.7	1805.5	193.0	1998.5	Shut-in
04/02/15	15:00:00	245.7	1805.1	193.0	1998.1	Shut-in
04/02/15	16:00:00	245.7	1805.3	193.0	1998.3	Shut-in
04/02/15	17:00:00	245.7	1805.3	193.0	1998.3	Shut-in
04/02/15	18:00:00	245.7	1805.1	193.0	1998.1	Shut-in
04/02/15	19:00:00	245.7	1803.0	193.0	1996.0	Shut-in
04/02/15	20:00:00	245.7	1802.9	193.0	1995.9	Shut-in
04/02/15	21:00:00	245.7	1803.2	193.0	1996.2	Shut-in
04/02/15	22:00:00	245.7	1803.2	193.0	1996.2	Shut-in
04/02/15	23:00:00	245.7	1803.1	193.0	1996.1	Shut-in
04/03/15	00:00:00	245.7	1803.4	193.0	1996.4	Shut-in
04/03/15	01:00:00	245.7	1802.8	193.0	1995.8	Shut-in
04/03/15	02:00:00	245.7	1802.8	193.0	1995.8	Shut-in
04/03/15	03:00:00	245.7	1803.4	193.0	1996.4	Shut-in
04/03/15	04:00:00	245.7	1803.1	193.0	1996.1	Shut-in
04/03/15	05:00:00	245.7	1802.6	193.0	1995.6	Shut-in
04/03/15	06:00:00	245.7	1803.4	193.0	1996.4	Shut-in
04/03/15	07:00:00	245.7	1802.9	193.0	1995.9	Shut-in
04/03/15	08:00:00	245.7	1802.7	193.0	1995.7	Shut-in
04/03/15	09:00:00	245.7	1804.0	193.0	1997.0	Shut-in
04/03/15	10:00:00	245.6	1804.1	193.0	1997.1	Shut-in
04/03/15	11:00:00	246.0	1804.4	193.0	1997.4	Shut-in
04/03/15	12:00:00	246.4	1804.8	193.0	1997.8	Shut-in
04/03/15	13:00:00	246.8	1804.3	193.0	1997.3	Shut-in
04/03/15	14:00:00	247.2	1804.5	193.0	1997.5	Shut-in
04/03/15	15:00:00	247.6	1804.5	193.0	1997.5	Shut-in
04/03/15	16:00:00	248.0	1804.0	193.0	1997.0	Shut-in
04/03/15	17:00:00	248.3	1804.0	193.0	1997.0	Shut-in
04/03/15	18:00:00	248.7	1802.3	193.0	1995.3	Shut-in
04/03/15	19:00:00	249.1	1801.4	193.0	1994.4	Shut-in
04/03/15	20:00:00	249.5	1801.4	193.0	1994.4	Shut-in
04/03/15	21:00:00	250.0	1801.5	193.0	1994.5	Shut-in
04/03/15	22:00:00	250.4	1801.6	193.0	1994.6	Shut-in
04/03/15	23:00:00	250.8	1801.7	193.0	1994.7	Shut-in
04/04/15	00:00:00	251.2	1801.7	193.0	1994.7	Shut-in
04/04/15	01:00:00	251.6	1801.8	193.0	1994.8	Shut-in
04/04/15	02:00:00	252.1	1802.1	193.0	1995.1	Shut-in
04/04/15	03:00:00	252.5	1803.1	193.0	1996.1	Shut-in
04/04/15	04:00:00	252.9	1802.7	193.0	1995.7	Shut-in
04/04/15	05:00:00	253.3	1803.2	193.0	1996.2	Shut-in
04/04/15	06:00:00	253.7	1801.2	193.0	1994.2	Shut-in
04/04/15	07:00:00	254.2	1791.6	193.0	1984.6	Shut-in
04/04/15	08:00:00	254.6	1785.9	193.0	1978.9	Shut-in
04/04/15	09:00:00	255.0	1808.4	193.0	2001.4	Shut-in
04/04/15	10:00:00	255.4	1857.2	193.0	2050.2	Shut-in
04/04/15	11:00:00	255.8	1806.3	193.0	1999.3	Shut-in
04/04/15	12:00:00	256.2	1806.6	193.0	1999.6	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/04/15	13:00:00	256.6	1806.0	193.0	1999.0	Shut-in
04/04/15	14:00:00	257.0	1805.9	193.0	1998.9	Shut-in
04/04/15	15:00:00	257.4	1806.3	193.0	1999.3	Shut-in
04/04/15	16:00:00	257.8	1807.0	193.0	2000.0	Shut-in
04/04/15	17:00:00	258.1	1805.5	193.0	1998.5	Shut-in
04/04/15	18:00:00	258.5	1803.6	193.0	1996.6	Shut-in
04/04/15	19:00:00	258.9	1804.2	193.0	1997.2	Shut-in
04/04/15	20:00:00	259.3	1804.3	193.0	1997.3	Shut-in
04/04/15	21:00:00	259.7	1804.6	193.0	1997.6	Shut-in
04/04/15	22:00:00	260.2	1804.9	193.0	1997.9	Shut-in
04/04/15	23:00:00	260.6	1805.1	193.0	1998.1	Shut-in
04/05/15	00:00:00	261.0	1805.4	193.0	1998.4	Shut-in
04/05/15	01:00:00	261.4	1805.3	193.0	1998.3	Shut-in
04/05/15	02:00:00	261.8	1805.6	193.0	1998.6	Shut-in
04/05/15	03:00:00	262.2	1805.7	193.0	1998.7	Shut-in
04/05/15	04:00:00	262.7	1806.1	193.0	1999.1	Shut-in
04/05/15	05:00:00	263.1	1807.0	193.0	2000.0	Shut-in
04/05/15	06:00:00	263.5	1806.8	193.0	1999.8	Shut-in
04/05/15	07:00:00	263.9	1807.1	193.0	2000.1	Shut-in
04/05/15	08:00:00	264.3	1807.1	193.0	2000.1	Shut-in
04/05/15	09:00:00	264.7	1808.6	193.0	2001.6	Shut-in
04/05/15	10:00:00	265.1	1808.7	193.0	2001.7	Shut-in
04/05/15	11:00:00	265.6	1809.5	193.0	2002.5	Shut-in
04/05/15	12:00:00	266.0	1809.7	193.0	2002.7	Shut-in
04/05/15	13:00:00	266.4	1810.2	193.0	2003.2	Shut-in
04/05/15	14:00:00	266.8	1808.1	193.0	2001.1	Shut-in
04/05/15	15:00:00	267.2	1808.7	193.0	2001.7	Shut-in
04/05/15	16:00:00	267.6	1808.8	193.0	2001.8	Shut-in
04/05/15	17:00:00	268.0	1810.2	193.0	2003.2	Shut-in
04/05/15	18:00:00	268.4	1810.7	193.0	2003.7	Shut-in
04/05/15	19:00:00	268.9	1810.2	193.0	2003.2	Shut-in
04/05/15	20:00:00	269.3	1808.6	193.0	2001.6	Shut-in
04/05/15	21:00:00	269.7	1808.9	193.0	2001.9	Shut-in
04/05/15	22:00:00	270.1	1809.1	193.0	2002.1	Shut-in
04/05/15	23:00:00	270.5	1810.1	193.0	2003.1	Shut-in
04/06/15	00:00:00	270.9	1810.3	193.0	2003.3	Shut-in
04/06/15	01:00:00	271.3	1809.9	193.0	2002.9	Shut-in
04/06/15	02:00:00	271.7	1810.6	193.0	2003.6	Shut-in
04/06/15	03:00:00	272.2	1805.0	193.0	1998.0	Shut-in
04/06/15	04:00:00	272.6	1795.3	193.0	1988.3	Shut-in
04/06/15	05:00:00	273.0	1782.4	193.0	1975.4	Shut-in
04/06/15	06:00:00	273.4	1778.4	193.0	1971.4	Shut-in
04/06/15	07:00:00	273.8	1773.5	193.0	1966.5	Shut-in
04/06/15	08:00:00	274.2	1766.1	193.0	1959.1	Shut-in
04/06/15	09:00:00	274.7	1794.8	193.0	1987.8	Shut-in
04/06/15	10:00:00	275.1	1867.5	193.0	2060.5	Shut-in
04/06/15	11:00:00	275.5	1847.5	193.0	2040.5	Shut-in
04/06/15	12:00:00	275.9	1815.1	193.0	2008.1	Shut-in
04/06/15	13:00:00	276.3	1814.7	193.0	2007.7	Shut-in
04/06/15	14:00:00	276.7	1815.0	193.0	2008.0	Shut-in
04/06/15	15:00:00	277.1	1813.7	193.0	2006.7	Shut-in
04/06/15	16:00:00	277.5	1815.7	193.0	2008.7	Shut-in
04/06/15	17:00:00	277.9	1813.5	193.0	2006.5	Shut-in
04/06/15	18:00:00	278.3	1813.4	193.0	2006.4	Shut-in
04/06/15	19:00:00	278.7	1813.9	193.0	2006.9	Shut-in
04/06/15	20:00:00	279.1	1813.7	193.0	2006.7	Shut-in
04/06/15	21:00:00	279.5	1813.1	193.0	2006.1	Shut-in
04/06/15	22:00:00	280.0	1813.6	193.0	2006.6	Shut-in
04/06/15	23:00:00	280.4	1814.5	193.0	2007.5	Shut-in
04/07/15	00:00:00	280.8	1814.1	193.0	2007.1	Shut-in
04/07/15	01:00:00	281.2	1814.8	193.0	2007.8	Shut-in
04/07/15	02:00:00	281.6	1815.1	193.0	2008.1	Shut-in
04/07/15	03:00:00	282.0	1814.3	193.0	2007.3	Shut-in
04/07/15	04:00:00	282.5	1819.3	193.0	2012.3	Shut-in
04/07/15	05:00:00	282.9	1823.2	193.0	2016.2	Shut-in
04/07/15	06:00:00	283.3	1817.5	193.0	2010.5	Shut-in
04/07/15	07:00:00	283.7	1814.7	193.0	2007.7	Shut-in
04/07/15	08:00:00	284.1	1813.5	193.0	2006.5	Shut-in
04/07/15	09:00:00	284.5	1814.0	193.0	2007.0	Shut-in
04/07/15	10:00:00	284.9	1815.6	193.0	2008.6	Shut-in
04/07/15	11:00:00	285.3	1817.1	193.0	2010.1	Shut-in
04/07/15	12:00:00	285.8	1855.4	193.0	2048.4	Shut-in
04/07/15	13:00:00	286.2	1819.2	193.0	2012.2	Shut-in
04/07/15	14:00:00	286.6	1817.7	193.0	2010.7	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/07/15	15:00:00	287.0	1818.3	193.0	2011.3	Shut-in
04/07/15	16:00:00	287.4	1819.1	193.0	2012.1	Shut-in
04/07/15	17:00:00	287.8	1818.5	193.0	2011.5	Shut-in
04/07/15	18:00:00	288.2	1817.9	193.0	2010.9	Shut-in
04/07/15	19:00:00	288.6	1818.1	193.0	2011.1	Shut-in
04/07/15	20:00:00	289.1	1849.1	193.0	2042.1	Shut-in
04/07/15	21:00:00	289.5	1833.4	193.0	2026.4	Shut-in
04/07/15	22:00:00	289.8	1811.8	193.0	2004.8	Shut-in
04/07/15	23:00:00	290.2	1801.0	193.0	1994.0	Shut-in
04/08/15	00:00:00	290.6	1788.2	193.0	1981.2	Shut-in
04/08/15	01:00:00	291.1	1809.2	193.0	2002.2	Shut-in
04/08/15	02:00:00	291.5	1820.0	193.0	2013.0	Shut-in
04/08/15	03:00:00	291.9	1819.6	193.0	2012.6	Shut-in
04/08/15	04:00:00	292.3	1820.0	193.0	2013.0	Shut-in
04/08/15	05:00:00	292.8	1820.2	193.0	2013.2	Shut-in
04/08/15	06:00:00	293.2	1820.5	193.0	2013.5	Shut-in
04/08/15	07:00:00	293.6	1820.7	193.0	2013.7	Shut-in
04/08/15	08:00:00	294.0	1820.9	193.0	2013.9	Shut-in
04/08/15	09:00:00	294.4	1821.8	193.0	2014.8	Shut-in
04/08/15	10:00:00	294.9	1822.9	193.0	2015.9	Shut-in
04/08/15	11:00:00	295.3	1837.2	193.0	2030.2	Shut-in
04/08/15	12:00:00	295.7	1829.2	193.0	2022.2	Shut-in
04/08/15	13:00:00	296.1	1822.6	193.0	2015.6	Shut-in
04/08/15	14:00:00	296.5	1822.5	193.0	2015.5	Shut-in
04/08/15	15:00:00	296.9	1823.4	193.0	2016.4	Shut-in
04/08/15	16:00:00	297.3	1824.1	193.0	2017.1	Shut-in
04/08/15	17:00:00	297.7	1824.3	193.0	2017.3	Shut-in
04/08/15	18:00:00	298.1	1823.7	193.0	2016.7	Shut-in
04/08/15	19:00:00	298.5	1822.1	193.0	2015.1	Shut-in
04/08/15	20:00:00	298.9	1821.4	193.0	2014.4	Shut-in
04/08/15	21:00:00	299.3	1821.7	193.0	2014.7	Shut-in
04/08/15	22:00:00	299.8	1822.0	193.0	2015.0	Shut-in
04/08/15	23:00:00	300.2	1822.6	193.0	2015.6	Shut-in
04/09/15	00:00:00	300.6	1818.9	193.0	2011.9	Shut-in
04/09/15	01:00:00	301.0	1807.2	193.0	2000.2	Shut-in
04/09/15	02:00:00	301.4	1801.6	193.0	1994.6	Shut-in
04/09/15	03:00:00	301.9	1795.0	193.0	1988.0	Shut-in
04/09/15	04:00:00	302.3	1789.5	193.0	1982.5	Shut-in
04/09/15	05:00:00	302.7	1791.2	193.0	1984.2	Shut-in
04/09/15	06:00:00	303.1	1776.2	193.0	1969.2	Shut-in
04/09/15	07:00:00	303.5	1760.4	193.0	1953.4	Shut-in
04/09/15	08:00:00	304.0	1757.1	193.0	1950.1	Shut-in
04/09/15	09:00:00	304.4	1782.9	193.0	1975.9	Shut-in
04/09/15	10:00:00	304.8	1845.4	193.0	2038.4	Shut-in
04/09/15	11:00:00	305.2	1834.7	193.0	2027.7	Shut-in
04/09/15	12:00:00	305.6	1828.0	193.0	2021.0	Shut-in
04/09/15	13:00:00	306.0	1827.6	193.0	2020.6	Shut-in
04/09/15	14:00:00	306.4	1827.9	193.0	2020.9	Shut-in
04/09/15	15:00:00	306.8	1828.1	193.0	2021.1	Shut-in
04/09/15	16:00:00	307.2	1829.3	193.0	2022.3	Shut-in
04/09/15	17:00:00	307.6	1827.6	193.0	2020.6	Shut-in
04/09/15	18:00:00	308.0	1828.0	193.0	2021.0	Shut-in
04/09/15	19:00:00	308.4	1826.7	193.0	2019.7	Shut-in
04/09/15	20:00:00	308.9	1825.3	193.0	2018.3	Shut-in
04/09/15	21:00:00	309.3	1825.8	193.0	2018.8	Shut-in
04/09/15	22:00:00	309.7	1826.1	193.0	2019.1	Shut-in
04/09/15	23:00:00	310.1	1826.2	193.0	2019.2	Shut-in
04/10/15	00:00:00	310.5	1826.2	193.0	2019.2	Shut-in
04/10/15	01:00:00	310.8	1826.8	193.0	2019.8	Shut-in
04/10/15	02:00:00	311.1	1827.1	193.0	2020.1	Shut-in
04/10/15	03:00:00	311.5	1827.5	193.0	2020.5	Shut-in
04/10/15	04:00:00	311.8	1827.5	193.0	2020.5	Shut-in
04/10/15	05:00:00	312.2	1826.4	193.0	2019.4	Shut-in
04/10/15	06:00:00	312.5	1816.3	193.0	2009.3	Shut-in
04/10/15	07:00:00	312.9	1804.9	193.0	1997.9	Shut-in
04/10/15	08:00:00	313.2	1805.6	193.0	1998.6	Shut-in
04/10/15	09:00:00	313.5	1835.9	193.0	2028.9	Shut-in
04/10/15	10:00:00	313.9	1854.7	193.0	2047.7	Shut-in
04/10/15	11:00:00	314.2	1831.7	193.0	2024.7	Shut-in
04/10/15	12:00:00	314.5	1832.2	193.0	2025.2	Shut-in
04/10/15	13:00:00	314.9	1832.3	193.0	2025.3	Shut-in
04/10/15	14:00:00	315.2	1832.5	193.0	2025.5	Shut-in
04/10/15	15:00:00	315.5	1832.1	193.0	2025.1	Shut-in
04/10/15	16:00:00	315.9	1831.3	193.0	2024.3	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/10/15	17:00:00	316.2	1831.7	193.0	2024.7	Shut-in
04/10/15	18:00:00	316.5	1830.4	193.0	2023.4	Shut-in
04/10/15	19:00:00	316.9	1829.0	193.0	2022.0	Shut-in
04/10/15	20:00:00	317.2	1829.3	193.0	2022.3	Shut-in
04/10/15	21:00:00	317.5	1829.4	193.0	2022.4	Shut-in
04/10/15	22:00:00	317.9	1829.7	193.0	2022.7	Shut-in
04/10/15	23:00:00	318.2	1830.2	193.0	2023.2	Shut-in
04/11/15	00:00:00	318.6	1830.4	193.0	2023.4	Shut-in
04/11/15	01:00:00	318.9	1830.7	193.0	2023.7	Shut-in
04/11/15	02:00:00	319.3	1831.8	193.0	2024.8	Shut-in
04/11/15	03:00:00	319.6	1831.0	193.0	2024.0	Shut-in
04/11/15	04:00:00	319.9	1830.8	193.0	2023.8	Shut-in
04/11/15	05:00:00	320.3	1831.1	193.0	2024.1	Shut-in
04/11/15	06:00:00	320.6	1831.5	193.0	2024.5	Shut-in
04/11/15	07:00:00	321.0	1830.7	193.0	2023.7	Shut-in
04/11/15	08:00:00	321.3	1821.8	193.0	2014.8	Shut-in
04/11/15	09:00:00	321.7	1848.2	193.0	2041.2	Shut-in
04/11/15	10:00:00	322.0	1852.5	193.0	2045.5	Shut-in
04/11/15	11:00:00	322.3	1834.8	193.0	2027.8	Shut-in
04/11/15	12:00:00	322.7	1834.8	193.0	2027.8	Shut-in
04/11/15	13:00:00	323.0	1831.5	193.0	2024.5	Shut-in
04/11/15	14:00:00	323.3	1835.3	193.0	2028.3	Shut-in
04/11/15	15:00:00	323.6	1835.3	193.0	2028.3	Shut-in
04/11/15	16:00:00	324.0	1835.6	193.0	2028.6	Shut-in
04/11/15	17:00:00	324.3	1835.9	193.0	2028.9	Shut-in
04/11/15	18:00:00	324.6	1834.7	193.0	2027.7	Shut-in
04/11/15	19:00:00	325.0	1832.4	193.0	2025.4	Shut-in
04/11/15	20:00:00	325.3	1832.4	193.0	2025.4	Shut-in
04/11/15	21:00:00	325.6	1832.6	193.0	2025.6	Shut-in
04/11/15	22:00:00	326.0	1832.9	193.0	2025.9	Shut-in
04/11/15	23:00:00	326.3	1832.8	193.0	2025.8	Shut-in
04/12/15	00:00:00	326.7	1833.1	193.0	2026.1	Shut-in
04/12/15	01:00:00	327.0	1833.8	193.0	2026.8	Shut-in
04/12/15	02:00:00	327.3	1833.2	193.0	2026.2	Shut-in
04/12/15	03:00:00	327.7	1834.1	193.0	2027.1	Shut-in
04/12/15	04:00:00	328.0	1834.5	193.0	2027.5	Shut-in
04/12/15	05:00:00	328.4	1834.5	193.0	2027.5	Shut-in
04/12/15	06:00:00	328.7	1834.7	193.0	2027.7	Shut-in
04/12/15	07:00:00	329.1	1835.2	193.0	2028.2	Shut-in
04/12/15	08:00:00	329.4	1834.6	193.0	2027.6	Shut-in
04/12/15	09:00:00	329.5	1868.0	193.0	2061.0	Shut-in
04/12/15	10:00:00	329.7	1842.9	193.0	2035.9	Shut-in
04/12/15	11:00:00	330.0	1838.0	193.0	2031.0	Shut-in
04/12/15	12:00:00	330.3	1838.7	193.0	2031.7	Shut-in
04/12/15	13:00:00	330.6	1838.8	193.0	2031.8	Shut-in
04/12/15	14:00:00	330.9	1838.6	193.0	2031.6	Shut-in
04/12/15	15:00:00	331.2	1838.2	193.0	2031.2	Shut-in
04/12/15	16:00:00	331.5	1838.9	193.0	2031.9	Shut-in
04/12/15	17:00:00	331.8	1839.3	193.0	2032.3	Shut-in
04/12/15	18:00:00	332.2	1838.8	193.0	2031.8	Shut-in
04/12/15	19:00:00	332.5	1836.5	193.0	2029.5	Shut-in
04/12/15	20:00:00	332.8	1833.8	193.0	2026.8	Shut-in
04/12/15	21:00:00	333.2	1835.3	193.0	2028.3	Shut-in
04/12/15	22:00:00	333.5	1835.6	193.0	2028.6	Shut-in
04/12/15	23:00:00	333.8	1835.9	193.0	2028.9	Shut-in
04/13/15	00:00:00	334.2	1835.9	193.0	2028.9	Shut-in
04/13/15	01:00:00	334.5	1836.1	193.0	2029.1	Shut-in
04/13/15	02:00:00	334.9	1836.2	193.0	2029.2	Shut-in
04/13/15	03:00:00	335.2	1836.4	193.0	2029.4	Shut-in
04/13/15	04:00:00	335.5	1836.5	193.0	2029.5	Shut-in
04/13/15	05:00:00	335.8	1836.7	193.0	2029.7	Shut-in
04/13/15	06:00:00	336.1	1836.8	193.0	2029.8	Shut-in
04/13/15	07:00:00	336.5	1833.1	193.0	2026.1	Shut-in
04/13/15	08:00:00	336.8	1822.3	193.0	2015.3	Shut-in
04/13/15	09:00:00	337.1	1864.9	193.0	2057.9	Shut-in
04/13/15	10:00:00	337.5	1840.2	193.0	2033.2	Shut-in
04/13/15	11:00:00	337.8	1840.7	193.0	2033.7	Shut-in
04/13/15	12:00:00	338.1	1840.8	193.0	2033.8	Shut-in
04/13/15	13:00:00	338.4	1838.4	193.0	2031.4	Shut-in
04/13/15	14:00:00	338.7	1837.9	193.0	2030.9	Shut-in
04/13/15	15:00:00	339.0	1840.4	193.0	2033.4	Shut-in
04/13/15	16:00:00	339.4	1838.9	193.0	2031.9	Shut-in
04/13/15	17:00:00	339.7	1839.1	193.0	2032.1	Shut-in
04/13/15	18:00:00	340.0	1839.0	193.0	2032.0	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/13/15	19:00:00	340.4	1838.9	193.0	2031.9	Shut-in
04/13/15	20:00:00	340.7	1838.3	193.0	2031.3	Shut-in
04/13/15	21:00:00	341.1	1838.6	193.0	2031.6	Shut-in
04/13/15	22:00:00	341.4	1838.5	193.0	2031.5	Shut-in
04/13/15	23:00:00	341.7	1838.7	193.0	2031.7	Shut-in
04/14/15	00:00:00	342.1	1839.3	193.0	2032.3	Shut-in
04/14/15	01:00:00	342.4	1839.0	193.0	2032.0	Shut-in
04/14/15	02:00:00	342.8	1839.7	193.0	2032.7	Shut-in
04/14/15	03:00:00	343.1	1839.5	193.0	2032.5	Shut-in
04/14/15	04:00:00	343.4	1839.3	193.0	2032.3	Shut-in
04/14/15	05:00:00	343.8	1839.5	193.0	2032.5	Shut-in
04/14/15	06:00:00	344.1	1839.4	193.0	2032.4	Shut-in
04/14/15	07:00:00	344.5	1827.3	193.0	2020.3	Shut-in
04/14/15	08:00:00	344.7	1811.6	193.0	2004.6	Shut-in
04/14/15	09:00:00	345.1	1842.9	193.0	2035.9	Shut-in
04/14/15	10:00:00	345.5	1872.5	193.0	2065.5	Shut-in
04/14/15	11:00:00	346.0	1842.6	193.0	2035.6	Shut-in
04/14/15	12:00:00	346.3	1842.8	193.0	2035.8	Shut-in
04/14/15	13:00:00	346.7	1842.8	193.0	2035.8	Shut-in
04/14/15	14:00:00	347.1	1841.9	193.0	2034.9	Shut-in
04/14/15	15:00:00	347.5	1842.2	193.0	2035.2	Shut-in
04/14/15	16:00:00	347.9	1843.3	193.0	2036.3	Shut-in
04/14/15	17:00:00	348.4	1843.4	193.0	2036.4	Shut-in
04/14/15	18:00:00	348.8	1842.9	193.0	2035.9	Shut-in
04/14/15	19:00:00	349.2	1841.3	193.0	2034.3	Shut-in
04/14/15	20:00:00	349.6	1841.1	193.0	2034.1	Shut-in
04/14/15	21:00:00	350.0	1841.3	193.0	2034.3	Shut-in
04/14/15	22:00:00	350.4	1841.6	193.0	2034.6	Shut-in
04/14/15	23:00:00	350.8	1842.2	193.0	2035.2	Shut-in
04/15/15	00:00:00	351.2	1842.1	193.0	2035.1	Shut-in
04/15/15	01:00:00	351.7	1842.6	193.0	2035.6	Shut-in
04/15/15	02:00:00	352.1	1843.0	193.0	2036.0	Shut-in
04/15/15	03:00:00	352.5	1843.2	193.0	2036.2	Shut-in
04/15/15	04:00:00	352.9	1836.0	193.0	2029.0	Shut-in
04/15/15	05:00:00	353.4	1827.1	193.0	2020.1	Shut-in
04/15/15	06:00:00	353.8	1837.2	193.0	2030.2	Shut-in
04/15/15	07:00:00	354.2	1841.7	193.0	2034.7	Shut-in
04/15/15	08:00:00	354.6	1841.4	193.0	2034.4	Shut-in
04/15/15	09:00:00	355.1	1866.9	193.0	2059.9	Shut-in
04/15/15	10:00:00	355.5	1860.6	193.0	2053.6	Shut-in
04/15/15	11:00:00	355.9	1846.2	193.0	2039.2	Shut-in
04/15/15	12:00:00	356.3	1846.0	193.0	2039.0	Shut-in
04/15/15	13:00:00	356.7	1846.4	193.0	2039.4	Shut-in
04/15/15	14:00:00	357.1	1846.3	193.0	2039.3	Shut-in
04/15/15	15:00:00	357.5	1846.7	193.0	2039.7	Shut-in
04/15/15	16:00:00	357.9	1847.4	193.0	2040.4	Shut-in
04/15/15	17:00:00	358.3	1847.6	193.0	2040.6	Shut-in
04/15/15	18:00:00	358.7	1846.0	193.0	2039.0	Shut-in
04/15/15	19:00:00	359.1	1845.3	193.0	2038.3	Shut-in
04/15/15	20:00:00	359.6	1844.7	193.0	2037.7	Shut-in
04/15/15	21:00:00	360.0	1845.0	193.0	2038.0	Shut-in
04/15/15	22:00:00	360.4	1845.2	193.0	2038.2	Shut-in
04/15/15	23:00:00	360.8	1845.5	193.0	2038.5	Shut-in
04/16/15	00:00:00	361.2	1846.0	193.0	2039.0	Shut-in
04/16/15	01:00:00	361.7	1846.6	193.0	2039.6	Shut-in
04/16/15	02:00:00	362.1	1846.9	193.0	2039.9	Shut-in
04/16/15	03:00:00	362.5	1846.6	193.0	2039.6	Shut-in
04/16/15	04:00:00	362.9	1847.4	193.0	2040.4	Shut-in
04/16/15	05:00:00	363.4	1847.0	193.0	2040.0	Shut-in
04/16/15	06:00:00	363.8	1846.1	193.0	2039.1	Shut-in
04/16/15	07:00:00	364.2	1839.6	193.0	2032.6	Shut-in
04/16/15	08:00:00	364.6	1837.6	193.0	2030.6	Shut-in
04/16/15	09:00:00	365.0	(4)	193.0	(4)	Shut-in
04/16/15	10:00:00	365.4	(4)	193.0	(4)	Shut-in
04/16/15	11:00:00	365.8	(4)	193.0	(4)	Shut-in
04/16/15	12:00:00	366.2	(4)	193.0	(4)	Shut-in
04/16/15	13:00:00	366.6	(4)	193.0	(4)	Shut-in
04/16/15	14:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	15:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	16:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	17:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	18:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	19:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	20:00:00	366.7	(4)	193.0	(4)	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/16/15	21:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	22:00:00	366.7	(4)	193.0	(4)	Shut-in
04/16/15	23:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	00:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	01:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	02:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	03:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	04:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	05:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	06:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	07:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	08:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	09:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	10:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	11:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	12:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	13:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	14:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	15:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	16:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	17:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	18:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	19:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	20:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	21:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	22:00:00	366.7	(4)	193.0	(4)	Shut-in
04/17/15	23:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	00:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	01:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	02:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	03:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	04:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	05:00:00	366.7	(4)	193.0	(4)	Shut-in
04/18/15	06:00:00	366.8	(4)	193.0	(4)	Shut-in
04/18/15	07:00:00	366.9	(4)	193.0	(4)	Shut-in
04/18/15	08:00:00	367.0	(4)	193.0	(4)	Shut-in
04/18/15	09:00:00	367.1	(4)	193.0	(4)	Shut-in
04/18/15	10:00:00	367.3	(4)	193.0	(4)	Shut-in
04/18/15	11:00:00	367.4	(4)	193.0	(4)	Shut-in
04/18/15	12:00:00	367.6	(4)	193.0	(4)	Shut-in
04/18/15	13:00:00	367.9	(4)	193.0	(4)	Shut-in
04/18/15	14:00:00	368.1	(4)	193.0	(4)	Shut-in
04/18/15	15:00:00	368.3	(4)	193.0	(4)	Shut-in
04/18/15	16:00:00	368.6	(4)	193.0	(4)	Shut-in
04/18/15	17:00:00	368.9	(4)	193.0	(4)	Shut-in
04/18/15	18:00:00	369.2	(4)	193.0	(4)	Shut-in
04/18/15	19:00:00	369.5	(4)	193.0	(4)	Shut-in
04/18/15	20:00:00	369.8	(4)	193.0	(4)	Shut-in
04/18/15	21:00:00	370.2	(4)	193.0	(4)	Shut-in
04/18/15	22:00:00	370.5	(4)	193.0	(4)	Shut-in
04/18/15	23:00:00	370.8	(4)	193.0	(4)	Shut-in
04/19/15	00:00:00	371.1	(4)	193.0	(4)	Shut-in
04/19/15	01:00:00	371.5	(4)	193.0	(4)	Shut-in
04/19/15	02:00:00	371.8	(4)	193.0	(4)	Shut-in
04/19/15	03:00:00	372.1	(4)	193.0	(4)	Shut-in
04/19/15	04:00:00	372.5	(4)	193.0	(4)	Shut-in
04/19/15	05:00:00	372.8	(4)	193.0	(4)	Shut-in
04/19/15	06:00:00	373.1	(4)	193.0	(4)	Shut-in
04/19/15	07:00:00	373.5	(4)	193.0	(4)	Shut-in
04/19/15	08:00:00	373.8	(4)	193.0	(4)	Shut-in
04/19/15	09:00:00	374.1	(4)	193.0	(4)	Shut-in
04/19/15	10:00:00	374.5	(4)	193.0	(4)	Shut-in
04/19/15	11:00:00	374.8	(4)	193.0	(4)	Shut-in
04/19/15	12:00:00	375.1	(4)	193.0	(4)	Shut-in
04/19/15	13:00:00	375.4	(4)	193.0	(4)	Shut-in
04/19/15	14:00:00	375.8	(4)	193.0	(4)	Shut-in
04/19/15	15:00:00	376.1	(4)	193.0	(4)	Shut-in
04/19/15	16:00:00	376.4	(4)	193.0	(4)	Shut-in
04/19/15	17:00:00	376.7	(4)	193.0	(4)	Shut-in
04/19/15	18:00:00	377.0	(4)	193.0	(4)	Shut-in
04/19/15	19:00:00	377.4	(4)	193.0	(4)	Shut-in
04/19/15	20:00:00	377.7	(4)	193.0	(4)	Shut-in
04/19/15	21:00:00	378.0	(4)	193.0	(4)	Shut-in
04/19/15	22:00:00	378.4	(4)	193.0	(4)	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/19/15	23:00:00	378.7	(4)	193.0	(4)	Shut-in
04/20/15	00:00:00	379.0	(4)	193.0	(4)	Shut-in
04/20/15	01:00:00	379.3	(4)	193.0	(4)	Shut-in
04/20/15	02:00:00	379.7	(4)	193.0	(4)	Shut-in
04/20/15	03:00:00	380.0	(4)	193.0	(4)	Shut-in
04/20/15	04:00:00	380.3	(4)	193.0	(4)	Shut-in
04/20/15	05:00:00	380.7	(4)	193.0	(4)	Shut-in
04/20/15	06:00:00	381.0	(4)	193.0	(4)	Shut-in
04/20/15	07:00:00	381.3	(4)	193.0	(4)	Shut-in
04/20/15	08:00:00	381.7	(4)	193.0	(4)	Shut-in
04/20/15	09:00:00	382.0	(4)	193.0	(4)	Shut-in
04/20/15	10:00:00	382.3	(4)	193.0	(4)	Shut-in
04/20/15	11:00:00	382.6	(4)	193.0	(4)	Shut-in
04/20/15	12:00:00	382.8	(4)	193.0	(4)	Shut-in
04/20/15	13:00:00	383.1	(4)	193.0	(4)	Shut-in
04/20/15	14:00:00	383.5	(4)	193.0	(4)	Shut-in
04/20/15	15:00:00	383.8	(4)	193.0	(4)	Shut-in
04/20/15	16:00:00	384.2	1854.0	193.0	2047.0	Shut-in
04/20/15	17:00:00	384.6	1852.6	193.0	2045.6	Shut-in
04/20/15	18:00:00	385.0	1852.8	193.0	2045.8	Shut-in
04/20/15	19:00:00	385.4	1851.9	193.0	2044.9	Shut-in
04/20/15	20:00:00	385.8	1852.1	193.0	2045.1	Shut-in
04/20/15	21:00:00	386.2	1852.4	193.0	2045.4	Shut-in
04/20/15	22:00:00	386.6	1852.6	193.0	2045.6	Shut-in
04/20/15	23:00:00	387.0	1853.0	193.0	2046.0	Shut-in
04/21/15	00:00:00	387.4	1853.9	193.0	2046.9	Shut-in
04/21/15	01:00:00	387.8	1854.0	193.0	2047.0	Shut-in
04/21/15	02:00:00	388.1	1853.9	193.0	2046.9	Shut-in
04/21/15	03:00:00	388.4	1853.7	193.0	2046.7	Shut-in
04/21/15	04:00:00	388.8	1853.9	193.0	2046.9	Shut-in
04/21/15	05:00:00	389.2	1854.1	193.0	2047.1	Shut-in
04/21/15	06:00:00	389.6	1854.4	193.0	2047.4	Shut-in
04/21/15	07:00:00	390.0	1854.0	193.0	2047.0	Shut-in
04/21/15	08:00:00	390.4	1855.4	193.0	2048.4	Shut-in
04/21/15	09:00:00	390.9	1856.6	193.0	2049.6	Shut-in
04/21/15	10:00:00	391.3	1856.5	193.0	2049.5	Shut-in
04/21/15	11:00:00	391.6	1856.9	193.0	2049.9	Shut-in
04/21/15	12:00:00	392.0	1857.2	193.0	2050.2	Shut-in
04/21/15	13:00:00	392.2	1856.6	193.0	2049.6	Shut-in
04/21/15	14:00:00	392.6	1855.0	193.0	2048.0	Shut-in
04/21/15	15:00:00	393.0	1857.1	193.0	2050.1	Shut-in
04/21/15	16:00:00	393.4	1856.2	193.0	2049.2	Shut-in
04/21/15	17:00:00	393.8	1856.8	193.0	2049.8	Shut-in
04/21/15	18:00:00	394.2	1856.4	193.0	2049.4	Shut-in
04/21/15	19:00:00	394.6	1855.6	193.0	2048.6	Shut-in
04/21/15	20:00:00	395.0	1855.7	193.0	2048.7	Shut-in
04/21/15	21:00:00	395.3	1856.2	193.0	2049.2	Shut-in
04/21/15	22:00:00	395.7	1856.4	193.0	2049.4	Shut-in
04/21/15	23:00:00	396.1	1856.6	193.0	2049.6	Shut-in
04/22/15	00:00:00	396.5	1856.9	193.0	2049.9	Shut-in
04/22/15	01:00:00	396.9	1857.1	193.0	2050.1	Shut-in
04/22/15	02:00:00	397.3	1857.7	193.0	2050.7	Shut-in
04/22/15	03:00:00	397.7	1857.6	193.0	2050.6	Shut-in
04/22/15	04:00:00	398.2	1858.2	193.0	2051.2	Shut-in
04/22/15	05:00:00	398.6	1858.4	193.0	2051.4	Shut-in
04/22/15	06:00:00	399.0	1858.8	193.0	2051.8	Shut-in
04/22/15	07:00:00	399.4	1859.1	193.0	2052.1	Shut-in
04/22/15	08:00:00	399.8	1860.2	193.0	2053.2	Shut-in
04/22/15	09:00:00	400.2	1860.4	193.0	2053.4	Shut-in
04/22/15	10:00:00	400.6	1860.5	193.0	2053.5	Shut-in
04/22/15	11:00:00	401.0	1860.2	193.0	2053.2	Shut-in
04/22/15	12:00:00	401.4	1861.6	193.0	2054.6	Shut-in
04/22/15	13:00:00	401.7	1861.4	193.0	2054.4	Shut-in
04/22/15	14:00:00	402.0	1861.6	193.0	2054.6	Shut-in
04/22/15	15:00:00	402.3	1861.9	193.0	2054.9	Shut-in
04/22/15	16:00:00	402.5	1861.8	193.0	2054.8	Shut-in
04/22/15	17:00:00	402.9	1861.7	193.0	2054.7	Shut-in
04/22/15	18:00:00	403.3	1860.3	193.0	2053.3	Shut-in
04/22/15	19:00:00	403.7	1861.0	193.0	2054.0	Shut-in
04/22/15	20:00:00	404.1	1859.4	193.0	2052.4	Shut-in
04/22/15	21:00:00	404.5	1859.9	193.0	2052.9	Shut-in
04/22/15	22:00:00	404.9	1860.2	193.0	2053.2	Shut-in
04/22/15	23:00:00	405.3	1860.3	193.0	2053.3	Shut-in
04/23/15	00:00:00	405.7	1860.5	193.0	2053.5	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/23/15	01:00:00	406.1	1860.7	193.0	2053.7	Shut-in
04/23/15	02:00:00	406.5	1860.8	193.0	2053.8	Shut-in
04/23/15	03:00:00	407.0	1861.5	193.0	2054.5	Shut-in
04/23/15	04:00:00	407.4	1862.0	193.0	2055.0	Shut-in
04/23/15	05:00:00	407.8	1862.5	193.0	2055.5	Shut-in
04/23/15	06:00:00	408.2	1861.5	193.0	2054.5	Shut-in
04/23/15	07:00:00	408.6	1861.8	193.0	2054.8	Shut-in
04/23/15	08:00:00	409.0	1862.1	193.0	2055.1	Shut-in
04/23/15	09:00:00	409.4	1863.7	193.0	2056.7	Shut-in
04/23/15	10:00:00	409.8	1864.1	193.0	2057.1	Shut-in
04/23/15	11:00:00	410.2	1864.6	193.0	2057.6	Shut-in
04/23/15	12:00:00	410.6	1863.6	193.0	2056.6	Shut-in
04/23/15	13:00:00	411.0	1865.2	193.0	2058.2	Shut-in
04/23/15	14:00:00	411.4	1864.3	193.0	2057.3	Shut-in
04/23/15	15:00:00	411.8	1865.9	193.0	2058.9	Shut-in
04/23/15	16:00:00	412.2	1865.8	193.0	2058.8	Shut-in
04/23/15	17:00:00	412.6	1863.4	193.0	2056.4	Shut-in
04/23/15	18:00:00	413.0	1862.9	193.0	2055.9	Shut-in
04/23/15	19:00:00	413.4	1864.3	193.0	2057.3	Shut-in
04/23/15	20:00:00	413.8	1864.0	193.0	2057.0	Shut-in
04/23/15	21:00:00	414.2	1863.7	193.0	2056.7	Shut-in
04/23/15	22:00:00	414.6	1863.9	193.0	2056.9	Shut-in
04/23/15	23:00:00	415.0	1864.5	193.0	2057.5	Shut-in
04/24/15	00:00:00	415.4	1865.1	193.0	2058.1	Shut-in
04/24/15	01:00:00	415.8	1865.2	193.0	2058.2	Shut-in
04/24/15	02:00:00	416.2	1865.8	193.0	2058.8	Shut-in
04/24/15	03:00:00	416.6	1865.1	193.0	2058.1	Shut-in
04/24/15	04:00:00	417.1	1865.3	193.0	2058.3	Shut-in
04/24/15	05:00:00	417.5	1865.7	193.0	2058.7	Shut-in
04/24/15	06:00:00	417.9	1866.0	193.0	2059.0	Shut-in
04/24/15	07:00:00	417.9	1865.8	193.0	2058.8	Shut-in
04/24/15	08:00:00	417.9	1867.8	193.0	2060.8	Shut-in
04/24/15	09:00:00	417.9	1867.0	193.0	2060.0	Shut-in
04/24/15	10:00:00	417.9	1867.7	193.0	2060.7	Shut-in
04/24/15	11:00:00	417.9	1868.5	193.0	2061.5	Shut-in
04/24/15	12:00:00	417.9	1869.7	193.0	2062.7	Shut-in
04/24/15	13:00:00	417.9	1869.6	193.0	2062.6	Shut-in
04/24/15	14:00:00	417.9	1868.9	193.0	2061.9	Shut-in
04/24/15	15:00:00	418.2	1868.5	193.0	2061.5	Shut-in
04/24/15	16:00:00	418.6	1868.3	193.0	2061.3	Shut-in
04/24/15	17:00:00	419.0	1868.5	193.0	2061.5	Shut-in
04/24/15	18:00:00	419.4	1868.3	193.0	2061.3	Shut-in
04/24/15	19:00:00	419.8	1867.3	193.0	2060.3	Shut-in
04/24/15	20:00:00	420.2	1867.0	193.0	2060.0	Shut-in
04/24/15	21:00:00	420.6	1867.3	193.0	2060.3	Shut-in
04/24/15	22:00:00	421.0	1867.4	193.0	2060.4	Shut-in
04/24/15	23:00:00	421.4	1867.4	193.0	2060.4	Shut-in
04/25/15	00:00:00	421.9	1867.5	193.0	2060.5	Shut-in
04/25/15	01:00:00	422.3	1867.7	193.0	2060.7	Shut-in
04/25/15	02:00:00	422.7	1868.6	193.0	2061.6	Shut-in
04/25/15	03:00:00	423.1	1869.6	193.0	2062.6	Shut-in
04/25/15	04:00:00	423.5	1869.1	193.0	2062.1	Shut-in
04/25/15	05:00:00	423.9	1868.6	193.0	2061.6	Shut-in
04/25/15	06:00:00	424.3	1869.7	193.0	2062.7	Shut-in
04/25/15	07:00:00	424.7	1868.8	193.0	2061.8	Shut-in
04/25/15	08:00:00	425.1	1869.6	193.0	2062.6	Shut-in
04/25/15	09:00:00	425.5	1870.2	193.0	2063.2	Shut-in
04/25/15	10:00:00	425.9	1870.3	193.0	2063.3	Shut-in
04/25/15	11:00:00	426.3	1869.5	193.0	2062.5	Shut-in
04/25/15	12:00:00	426.7	1870.1	193.0	2063.1	Shut-in
04/25/15	13:00:00	427.1	1870.0	193.0	2063.0	Shut-in
04/25/15	14:00:00	427.5	1870.7	193.0	2063.7	Shut-in
04/25/15	15:00:00	427.9	1870.4	193.0	2063.4	Shut-in
04/25/15	16:00:00	428.3	1871.6	193.0	2064.6	Shut-in
04/25/15	17:00:00	428.7	1871.6	193.0	2064.6	Shut-in
04/25/15	18:00:00	429.1	1871.9	193.0	2064.9	Shut-in
04/25/15	19:00:00	429.5	1871.1	193.0	2064.1	Shut-in
04/25/15	20:00:00	429.9	1869.4	193.0	2062.4	Shut-in
04/25/15	21:00:00	430.3	1869.9	193.0	2062.9	Shut-in
04/25/15	22:00:00	430.7	1870.6	193.0	2063.6	Shut-in
04/25/15	23:00:00	431.1	1871.2	193.0	2064.2	Shut-in
04/26/15	00:00:00	431.5	1871.8	193.0	2064.8	Shut-in
04/26/15	01:00:00	432.0	1871.5	193.0	2064.5	Shut-in
04/26/15	02:00:00	432.4	1871.2	193.0	2064.2	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/26/15	03:00:00	432.8	1871.2	193.0	2064.2	Shut-in
04/26/15	04:00:00	433.2	1871.5	193.0	2064.5	Shut-in
04/26/15	05:00:00	433.6	1872.1	193.0	2065.1	Shut-in
04/26/15	06:00:00	434.0	1872.2	193.0	2065.2	Shut-in
04/26/15	07:00:00	434.4	1872.5	193.0	2065.5	Shut-in
04/26/15	08:00:00	434.9	1873.2	193.0	2066.2	Shut-in
04/26/15	09:00:00	435.3	1874.0	193.0	2067.0	Shut-in
04/26/15	10:00:00	435.7	1874.9	193.0	2067.9	Shut-in
04/26/15	11:00:00	436.1	1875.7	193.0	2068.7	Shut-in
04/26/15	12:00:00	436.5	1875.6	193.0	2068.6	Shut-in
04/26/15	13:00:00	436.9	1876.5	193.0	2069.5	Shut-in
04/26/15	14:00:00	437.3	1876.7	193.0	2069.7	Shut-in
04/26/15	15:00:00	437.7	1877.0	193.0	2070.0	Shut-in
04/26/15	16:00:00	438.0	1876.9	193.0	2069.9	Shut-in
04/26/15	17:00:00	438.4	1876.4	193.0	2069.4	Shut-in
04/26/15	18:00:00	438.8	1876.6	193.0	2069.6	Shut-in
04/26/15	19:00:00	439.2	1874.0	193.0	2067.0	Shut-in
04/26/15	20:00:00	439.6	1873.0	193.0	2066.0	Shut-in
04/26/15	21:00:00	440.0	1873.3	193.0	2066.3	Shut-in
04/26/15	22:00:00	440.4	1873.5	193.0	2066.5	Shut-in
04/26/15	23:00:00	440.8	1874.2	193.0	2067.2	Shut-in
04/27/15	00:00:00	441.2	1874.4	193.0	2067.4	Shut-in
04/27/15	01:00:00	441.6	1874.7	193.0	2067.7	Shut-in
04/27/15	02:00:00	442.1	1875.6	193.0	2068.6	Shut-in
04/27/15	03:00:00	442.5	1875.0	193.0	2068.0	Shut-in
04/27/15	04:00:00	442.9	1875.3	193.0	2068.3	Shut-in
04/27/15	05:00:00	443.3	1876.1	193.0	2069.1	Shut-in
04/27/15	06:00:00	443.7	1876.7	193.0	2069.7	Shut-in
04/27/15	07:00:00	444.1	1876.5	193.0	2069.5	Shut-in
04/27/15	08:00:00	444.5	1876.8	193.0	2069.8	Shut-in
04/27/15	09:00:00	444.9	1878.6	193.0	2071.6	Shut-in
04/27/15	10:00:00	445.3	1879.7	193.0	2072.7	Shut-in
04/27/15	11:00:00	445.7	1879.9	193.0	2072.9	Shut-in
04/27/15	12:00:00	446.1	1880.4	193.0	2073.4	Shut-in
04/27/15	13:00:00	446.5	1879.8	193.0	2072.8	Shut-in
04/27/15	14:00:00	446.9	1879.9	193.0	2072.9	Shut-in
04/27/15	15:00:00	447.3	1880.5	193.0	2073.5	Shut-in
04/27/15	16:00:00	447.7	1880.8	193.0	2073.8	Shut-in
04/27/15	17:00:00	448.0	1880.5	193.0	2073.5	Shut-in
04/27/15	18:00:00	448.4	1878.8	193.0	2071.8	Shut-in
04/27/15	19:00:00	448.8	1877.7	193.0	2070.7	Shut-in
04/27/15	20:00:00	449.2	1876.9	193.0	2069.9	Shut-in
04/27/15	21:00:00	449.6	1878.0	193.0	2071.0	Shut-in
04/27/15	22:00:00	450.0	1878.0	193.0	2071.0	Shut-in
04/27/15	23:00:00	450.4	1878.4	193.0	2071.4	Shut-in
04/28/15	00:00:00	450.8	1878.6	193.0	2071.6	Shut-in
04/28/15	01:00:00	451.2	1879.1	193.0	2072.1	Shut-in
04/28/15	02:00:00	451.6	1879.4	193.0	2072.4	Shut-in
04/28/15	03:00:00	452.0	1879.5	193.0	2072.5	Shut-in
04/28/15	04:00:00	452.4	1879.6	193.0	2072.6	Shut-in
04/28/15	05:00:00	452.8	1879.9	193.0	2072.9	Shut-in
04/28/15	06:00:00	453.2	1880.1	193.0	2073.1	Shut-in
04/28/15	07:00:00	453.7	1880.2	193.0	2073.2	Shut-in
04/28/15	08:00:00	454.1	1880.7	193.0	2073.7	Shut-in
04/28/15	09:00:00	454.5	1881.2	193.0	2074.2	Shut-in
04/28/15	10:00:00	454.9	1881.7	193.0	2074.7	Shut-in

Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/28/15	11:00:00	455.3	1882.6	193.0	2075.6	Shut-in
04/28/15	12:00:00	455.6	1881.8	193.0	2074.8	Shut-in
04/28/15	13:00:00	456.0	1883.0	193.0	2076.0	Shut-in
04/28/15	14:00:00	456.4	1883.2	193.0	2076.2	Shut-in
04/28/15	15:00:00	456.8	1884.1	193.0	2077.1	Shut-in
04/28/15	16:00:00	457.2	1884.2	193.0	2077.2	Shut-in
04/28/15	17:00:00	457.6	1880.0	193.0	2073.0	Shut-in
04/28/15	18:00:00	458.0	1882.5	193.0	2075.5	Shut-in
04/28/15	19:00:00	458.3	1881.0	193.0	2074.0	Shut-in
04/28/15	20:00:00	458.7	1881.4	193.0	2074.4	Shut-in
04/28/15	21:00:00	459.1	1881.5	193.0	2074.5	Shut-in
04/28/15	22:00:00	459.5	1881.8	193.0	2074.8	Shut-in
04/28/15	23:00:00	459.9	1882.1	193.0	2075.1	Shut-in
04/29/15	00:00:00	460.4	1882.5	193.0	2075.5	Shut-in
04/29/15	01:00:00	460.8	1883.0	193.0	2076.0	Shut-in
04/29/15	02:00:00	461.2	1883.2	193.0	2076.2	Shut-in
04/29/15	03:00:00	461.6	1883.3	193.0	2076.3	Shut-in
04/29/15	04:00:00	462.0	1883.5	193.0	2076.5	Shut-in
04/29/15	05:00:00	462.4	1883.7	193.0	2076.7	Shut-in
04/29/15	06:00:00	462.8	1883.9	193.0	2076.9	Shut-in
04/29/15	07:00:00	463.2	1884.0	193.0	2077.0	Shut-in
04/29/15	08:00:00	463.6	1884.6	193.0	2077.6	Shut-in
04/29/15	09:00:00	464.0	1885.5	193.0	2078.5	Shut-in
04/29/15	10:00:00	464.4	1886.0	193.0	2079.0	Shut-in
04/29/15	11:00:00	464.8	1886.9	193.0	2079.9	Shut-in
04/29/15	12:00:00	465.2	1887.4	193.0	2080.4	Shut-in
04/29/15	13:00:00	465.6	1887.5	193.0	2080.5	Shut-in
04/29/15	14:00:00	466.0	1887.6	193.0	2080.6	Shut-in
04/29/15	15:00:00	466.4	1887.4	193.0	2080.4	Shut-in
04/29/15	16:00:00	466.8	1887.8	193.0	2080.8	Shut-in
04/29/15	17:00:00	467.2	1887.8	193.0	2080.8	Shut-in
04/29/15	18:00:00	467.6	1887.2	193.0	2080.2	Shut-in
04/29/15	19:00:00	467.9	1883.7	193.0	2076.7	Shut-in
04/29/15	20:00:00	468.3	1884.6	193.0	2077.6	Shut-in
04/29/15	21:00:00	468.7	1884.9	193.0	2077.9	Shut-in
04/29/15	22:00:00	469.1	1885.3	193.0	2078.3	Shut-in
04/29/15	23:00:00	469.5	1885.7	193.0	2078.7	Shut-in
04/30/15	00:00:00	469.9	1885.8	193.0	2078.8	Shut-in
04/30/15	01:00:00	470.3	1885.9	193.0	2078.9	Shut-in
04/30/15	02:00:00	470.7	1886.0	193.0	2079.0	Shut-in
04/30/15	03:00:00	471.1	1886.2	193.0	2079.2	Shut-in
04/30/15	04:00:00	471.6	1886.5	193.0	2079.5	Shut-in
04/30/15	05:00:00	472.0	1886.5	193.0	2079.5	Shut-in
04/30/15	06:00:00	472.4	1887.4	193.0	2080.4	Shut-in
04/30/15	07:00:00	472.8	1888.2	193.0	2081.2	Shut-in
04/30/15	08:00:00	473.2	1888.3	193.0	2081.3	Shut-in
04/30/15	09:00:00	473.6	1888.9	193.0	2081.9	Shut-in
04/30/15	10:00:00	474.0	1889.2	193.0	2082.2	Shut-in
04/30/15	11:00:00	474.4	1890.2	193.0	2083.2	Shut-in
04/30/15	12:00:00	474.7	1891.3	193.0	2084.3	Shut-in
04/30/15	13:00:00	475.1	1890.8	193.0	2083.8	Shut-in
04/30/15	14:00:00	475.5	1891.3	193.0	2084.3	Shut-in
04/30/15	15:00:00	475.9	1891.2	193.0	2084.2	Shut-in
04/30/15	16:00:00	476.3	1891.7	193.0	2084.7	Shut-in

**Attachment 3 - Wellhead and Calculated Bottomhole Pressure Data for Citizen Green 1**

	Description	PGE Test I/W Well 1 Cumulative Injection Volume	Citizen Green RD1 Recorded Tubing Pressure	Weight of Gas Column based on 1-21-15 gradient survey	Citizen Green RD1 Calculated BHP	Citizen Green RD1 Well Status
DATE	TIME	MMSCF	PSIG	PSI	PSIG	Prod/SI
04/30/15	17:00:00	476.7	1889.9	193.0	2082.9	Shut-in
04/30/15	18:00:00	477.0	1891.8	193.0	2084.8	Shut-in
04/30/15	19:00:00	477.4	1888.0	193.0	2081.0	Shut-in
04/30/15	20:00:00	477.8	1888.9	193.0	2081.9	Shut-in
04/30/15	21:00:00	478.2	1889.0	193.0	2082.0	Shut-in
04/30/15	22:00:00	478.6	1889.4	193.0	2082.4	Shut-in
04/30/15	23:00:00	479.0	1889.6	193.0	2082.6	Shut-in
05/01/15	00:00:00	479.4	1889.7	193.0	2082.7	Shut-in

Monthly Statistics

February Average:	1695.5	193.0	1888.5
February Minimum:	1620.6	193.0	1813.6
February Maximum:	1734.5	193.0	1927.5
March Average:	1754.8	193.0	1947.8
March Minimum:	1646.4	193.0	1839.4
March Maximum:	1811.3	193.0	2004.3
April Average:	1841.0	193.0	2034.0
April Minimum:	1757.1	193.0	1950.1
April Maximum:	1891.3	193.0	2084.3

Notes:

- 1) Recorded tubing pressure and calculated bottom hole pressure data are missing beginning on 2/18/15 at 02:00:00 hours and ending on 2/20/15 at 15:00:00 hours because data were not recorded during this time due to a dead battery in the data recorder.
- 2) Recorded tubing pressure and calculated bottom hole pressure data are missing on 3/08/15 at 02:00:00 hours because this hour was lost due to daylight savings time.
- 3) Recorded tubing pressure and calculated bottom hole pressure data are missing beginning on 3/16/15 from 19:00:00 hours to 20:00:00 hours because maintenance was being performed on the recording unit (batteries were replaced).
- 4) Recorded tubing pressure and calculated bottom hole pressure data are missing beginning on 4/16/15 at 09:00:00 hours and ending on 4/20/15 at 15:00:00 hours because the recording unit was not in service due to operator error.

**ATTACHMENT 4**  
Falloff Test Report – April 1 - 3, 2015

**U.S. EPA Region 9  
Underground Injection Control Program**

**FALLOFF TEST REPORT**

**PG&E TEST INJECTION WITHDRAWAL WELL 1  
KING ISLAND GAS FIELD  
SAN JOAQUIN COUNTY, CA**

**Falloff Test Date: April 1 - 3, 2015**

**PACIFIC GAS & ELECTRIC COMPANY**

**UIC Permit No. R9UIC-CA5-FY13-1**

**APRIL 2015**



**Prepared by:**

**MHA Petroleum Consultants  
4700 Stockdale Highway, Suite 110  
Bakersfield, CA 93309**

**Falloff Test Report**  
**PG&E Test Injection Withdrawal Well 1**  
**King Island Field, San Joaquin County, CA**  
**Test Date: April 1 – 3, 2015**

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**Falloff Test Report**  
**PG&E Test Injection Withdrawal Well 1**  
**King Island Field, San Joaquin County, CA**  
**Test Date: April 1 - 3, 2015**

**LIST OF EXHIBITS**

<b>EXHIBIT NO.</b>	<b>DESCRIPTION</b>
1	Platform Express Open Hole Log
2	Static Reservoir Pressure versus Cumulative Injection
3	Well Completion Diagram
4	Well Location Map
5	Event Log
6	Gas Injection Rates Prior to Falloff Test
7	Pressure Production Summary (Filtered Dataset)
8	Gas Well Test - Falloff Radial Flow Analysis
9	Diagnostic Plot Falloff Test History
10	Diagnostic Plot Typecurve
11	Diagnostic Plot Radial Horner
12	Test Simulation Composite Model
13	Gas Model Test Simulation Composite Analysis Results
14	Test Simulation Composite Model History
15	Test Simulation Composite Model Typecurve
16	Test Simulation Composite Model Radial
APPENDIX	Digital Data

**Falloff Test Report**  
**PG&E Test Injection Withdrawal Well 1**  
**King Island Field, San Joaquin County, CA**  
**Test Date: April 1- 3, 2015**

**1. BACKGROUND**

The PG&E Test Injection/Withdrawal Well 1 (I/W Well 1) is being operated as a Class V experimental compressed air energy storage (CAES) injection well. Oxygen-depleted air ('air') is being injected into a depleted natural gas reservoir in the Mokelumne River Formation (MRF) in the King Island Gas Field. The purpose of the injection is to build an 'air' bubble as part of a Compression Testing Program. During and after the bubble build period, a series of injection, shut-in, and withdrawal tests will be conducted to investigate the reservoir's performance for a CAES application. To determine and monitor formation characteristics, fall-off testing is being conducted as part of the bubble-building, equilibrium and injection/withdrawal phases of the CTP.

**2. FALLOFF TEST SUMMARY**

The I/W Well 1 was shut-in at 07:02:10 on April 1, 2015 to conduct a pressure falloff test for the purpose of obtaining current reservoir pressure and transmissibility data. This is the second falloff test performed after the initiation of 'air' injection on February 14, 2015 and it was conducted at the mid-point of the bubble-building process. Prior to shutting in the well for the FOT, a total of 245.71 million standard cubic feet (mmscf) of 'air' was injected into I/W Well 1 (the planned bubble size is 498 mmscf). The stabilized injection rate prior to shut-in was 8.52 mmscf per day. The oxygen content of the injected 'air' is less than 5 percent.

Pressure data were recorded by a bottomhole electronic gauge with surface readout capability. The gauge is located inside the tubing at a measured depth (KB) of 4,610 feet, or 4,565 feet true vertical depth (TVD). The fall-off test ended at 10:00:16 on April 3, 2015. There are two nearby offset wells, Piacentine 1-27 and Piacentine 2-27. Both offset wells were shut-in during this FOT.

**3. FALLOFF TEST ANALYSIS AND RESULTS**

The falloff test pressure transient data were analyzed to obtain operational information, static reservoir pressure and the estimated formation parameters requested by EPA. The pressure transient data were input into a commercial well test software program (IHS *Welltest*) to make the necessary data plots and interpretations.

A summary of the FOT results is given in the following table. The complete test results and analysis plots are presented in the Falloff Test Report Information section below.

Well Name	I/W Well 1
Test Date	1Apr2015
Test Type	Injection / Falloff
Flow Capacity (kh)	19,050 millidarcy-feet
Effective Thickness (h)	80 feet
Effective Permeability (k)	238.1 millidarcies (md)
Total Skin Factor	-1.41
p* @ Gauge Depth	2,025 psia @ 4,565' TVD
p* @ Top Completion	2,031 psia @ 4,665' TVD

The effective thickness (80 feet) for this test is estimated to be the height of the 'air' bubble around I/W Well 1. The bubble height is assumed to include the completion interval from 4,716 – 4,814 ft. MD (60 net feet) plus another 20 feet of the net permeable MRF formation down to the original gas-water contact (GWC) at 4,837 ft. MD. The net permeable sand within the completion interval is 60 feet based on the petrophysical analysis of the open hole wireline logs (see **EXHIBIT 1**).

The 'air' injection was initiated into the MRF at 13:30:00 on February 14, 2015. As of the date of the FOT, the cumulative 'air' injection was 245.71 mmscf. However, the last time I/W Well 1 was shut-in and the reservoir pressure stabilized was on March 25, 2015. The actual injection time between 3-25-2015 and 4-1-2015 ( $t_p = 159.0$  hours) is used in the pressure transient analysis calculations. During that 159-hour period, a total of 58.1 mmscf of 'air' was injected into the well.

Like the previous FOT in February 2015, the late time pressure behavior for this FOT (after the infinite acting radial period) is characteristic of a radial discontinuity. A radial discontinuity is a change in permeability-thickness, viscosity, and/or porosity-compressibility that occurs at a given radius from a well.

Radial discontinuities are almost always associated with fluid injection. In this case, the 'air' bubble is assumed to be spread radially from the I/W wellbore and the air/water interface appears as a radial discontinuity. The 'air' zone exhibits a relative permeability to gas, gas viscosity, and gas compressibility. The water zone has a relative permeability to water (considering trapped gas), water viscosity and water compressibility. The relative permeability to gas may not equal the relative permeability to water; however, both viscosity and compressibility are significantly different for air versus water. The result is a change in diffusivity ( $\text{porosity} \times \text{compressibility} / h$ ) and transmissibility ( $kh/\mu$ ) between the two zones which is seen in the current FOT pressure transient behavior.

To validate and estimate the distance to the radial discontinuity, a test simulation was made with the Welltest software using the calculated diagnostic analysis results and a vertical well radial composite model. The results of the simulated test are discussed and presented in Section 6, item 21 below. A very good match of the pressure data was achieved for an effective permeability to ‘air’ of 238 md and an air/water interface located about 214 feet from the wellbore.

#### 4. COMPARISON TO PREVIOUS FALLOFF TESTS

The current FOT results are compared to previous FOT results in the table below.

Comparison to Previous FOT Results						
Falloff Test Date	Final Rate	Fluid Injectate	Estimated Effective Permeability md	Effective Thickness Feet	Flow Capacity kh, md-ft	Skin Factor
10-28-2014	-15,840 bbl/day	KCL Water	140.0	31	4,340	+0.62
2-17-2015	-2.10 mmscf	Oxygen-Depleted Air	90.5	60	5,431	-1.45
4-1-2015	-8.52 mmscf	Oxygen-Depleted Air	238.1	80	19,050	-1.41

The estimated permeability from the current FOT (238 md) is moderately higher than the previous FOT permeability (91 md) and it is a measure of the relative permeability to ‘air’ within the larger volume ‘air’ bubble. The higher average permeability is expected because formation permeability is known to increase away from the well based on core data in the offset Piacentine 2-27 well. In addition, sidewall core samples taken in the I/W well (below the completion interval) are increasing with depth: 119.0 md @ 4830’, 194.6 md @ 4840’, and 1,029.3 md @ 4846’. Finally, the calculated negative skin factor (-1.4) is equal to the negative skin factor determined from the previous FOT in February 2015. The negative skin is likely due to both the large wellbore diameter (17 inches) and the effects of an acid stimulation treatment conducted on 11-26-2014.

#### 5. STATIC FORMATION PRESSURE

The final gauge pressure at the end of the FOT dataset was 2,037.0 psia (08:59:20 4-03-2015), but the pressure was still falling, so an extrapolation,  $p^*$ , was made to a pressure of 2,025 psia. By comparison, the previous extrapolated  $p^*$  pressure from the 2-14-2015 FOT was 1,889 psia. The reservoir pressure has increased 136 psi in response to the injected ‘air’ volume of 245 mmscf. The extrapolated  $p^*$  pressure is corrected to the top of MRF datum at 4,671’ to get the estimated current static reservoir pressure of 2,031 psia.

The table below summarizes the static formation pressure history for the MRF.

<b>MRF Zone Static Pressure History</b>				
<b>Test Date</b>	<b>Well</b>	<b>Cum Air Injection Mmscf</b>	<b>Static Formation Pressure, psia @ TVD</b>	<b>Comments</b>
10-07-1985	Moresco Unit A-1	0.0	2,050 @ 4,671'	Discovery 0.439 psi/ft
2-12-2014	Piacentine 1-27	0.0	1,883 @ 4,674'	Static Pressure Hang
10-18-2014	I/W Well 1	0.0	1,895 @ 4,673' 1,894 @ 4,671'	Halliburton RDT tool 0.42 psi/ft correction
10-28-2014	I/W Well 1	0.0	1,992 @ 4,671'	SRT/FOT (supercharge)
2-14-2015	I/W Well 1	0.0	1,887 @ 4,565' 1,893 @ 4,671'	Pre-injection BHP 0.059 psi/ft correction <sup>1</sup>
2-17-2015	I/W Well 1	5.0	1,889 @ 4,565' 1,895 @ 4,671'	p* from FOT 0.059 psi/ft correction <sup>1</sup>
4-1-2015	I/W Well 1	245.7	2,025 @ 4,565' 2,031 @ 4,671'	p* from FOT 0.064 psi/ft correction <sup>1</sup>
<sup>1</sup> Gas gradient for oxygen-depleted air at temperature/pressure conditions (see Section 6, item 19 below)				

A graphic plot of static reservoir pressure versus cumulative injection over time as specified in Part II.B.3.c (ii) of the Permit is provided as **EXHIBIT 2**.

## 6. FALLOFF TEST INFORMATION REPORT

The information to be provided pursuant to Region 9 FOT Report Requirements found in Appendix E (Section 4.0) of the Permit are discussed below and presented in the referenced exhibits.

1. Company: Pacific Gas & Electric Company  
77 Beale Street  
San Francisco, California 94105
2. Well/Location: Test Injection/Withdrawal Well 1  
King Island Gas Field, San Joaquin County, CA  
Section 27, T3N, R5E, MDB&M
3. Facility Contact: Mike Medeiros  
PG&E Manager Renewable Energy Development  
Phone 415-973-6270
4. Openhole Log: See Platform Express log presented by **EXHIBIT 1**.
5. Well Schematic: A wellbore diagram is given by **EXHIBIT 3**.

6. Fill Depth/Date: The completion method is a gravel packed liner. There was no known fill in the wellbore for the test.
7. Offset Well Information: There are two offset wells, Piacentine 1-27 and Piacentine 2-27, whose bottomhole locations are 180 feet and 360 feet, respectively to the southwest of the I/W Well 1. Only the Piacentine 1-27 well is completed in the same MRF interval as the I/W well. The Piacentine 2-27 is not completed in any zone at this time. **EXHIBIT 4** shows the locations of these two wells with respect to the test well.
8. Daily Testing Activity: See event log in **EXHIBIT 5**.
9. Raw Electronic Data: The raw digital bottomhole pressure dataset is included with the **APPENDIX**.
10. Injection Rate Summary: See **EXHIBIT 6** for the injection rates preceding the FOT. The rate data are submitted electronically in the **APPENDIX**.
11. Offset Well Injection Rates: The offset well, Piacentine 1-27, was shut-in prior to and during the FOT.
12. Analyzed Falloff Data: The filtered pressure transient data analyzed in this report are listed in **EXHIBIT 7**.
13. Pressure/Temperature Gauge Information:
- Bottomhole Gauge  
Type: Spartek Systems Quartz SPSRO Gauge  
Calibration Date: 10-16-2014  
Pressure Rating – 0 to 10,000 psi  
Pressure Accuracy – 0.02 percent full scale  
Pressure Resolution – 0.00006 percent full scale  
Drift – Less than 0.02 percent full scale/year  
Temperature Accuracy – 0.25 deg C (0.45 deg F)  
Temp Resolution – <0.005 deg C (<0.009 deg F)
14. General Test Information: Test Date – April 1-3, 2015  
Shut-in Time – 07:02:10 4/01/2015  
Shut-in Location – Wellhead  
Final Surface Pressure @ Shut-in – 1,789 psia  
Final Surface Temperature @ Shut-in – 74.9 deg. F

15. Reservoir Parameters: See **EXHIBIT 8**  
 Gas ('air') viscosity – 0.0224 cp  
 Porosity – 28 percent  
 Gas compressibility –  $4.620 \times 10^{-4} \text{ psi}^{-1}$   
 Formation compressibility –  $3.171 \times 10^{-6} \text{ psi}^{-1}$   
 Total compressibility –  $3.275 \times 10^{-4} \text{ psi}^{-1}$   
 Gas formation volume factor –  $1.457 \times 10^{-3} \text{ bbl/scf}$   
 Extrapolated pressure (p\*) – 2,025 psia  
 Static formation pressure (@ 4,671') – 2,031 psia  
 Date formation pressure last stabilized – 3/25/2015  
 Justified interval thickness – 80 feet

The effective thickness is estimated to be the height of the 'air' bubble at and around I/W Well 1. An average porosity of 28 percent was determined from petrophysical log analysis.

The reservoir (formation) compressibility of  $3.171 \times 10^{-6} \text{ psi}^{-1}$  is determined from correlations based on the formation porosity of 28%. The correlation used in this analysis is applicable to sandstones and it was derived from laboratory measurements by Hall and published in the Transactions, AIME (1953) 198, p. 309.

16. Waste Plume: Total 'air' injection is 245.71 mmscf. The calculated volumetric radius of the air bubble, assuming a bubble height of 80 feet and an 'air' saturation of 70 percent, is:

$$r_{\text{air bubble}} = [(V_{\text{inj scf}} \cdot B_{\text{g cft/scf}}) / (\pi \cdot h \cdot S_{\text{g}} \cdot \Phi)]^{1/2}$$

$$r_{\text{air bubble}} = [(245,710,000 \cdot 0.00816) / (\pi \cdot 80 \cdot 0.7 \cdot 0.28)]^{1/2}$$

$$r_{\text{air bubble}} = 202 \text{ feet}$$

The FOT simulation predicts an air/water interface at a radius of 214.6 feet. The volumetric radius of 202 feet is in good agreement with the predicted radius from the FOT simulation. This was not the case for the previous FOT (2-17-2015) conducted after only 5.0 mmscf of 'air' injection (72 feet predicted radius versus 34 feet volumetric radius). The previous FOT occurred after such a small injected 'air' volume that the bubble height was still developing and it may have been less than the

completion interval and not cylindrical in shape. For the current FOT, the bubble height seems to be well defined and constrained between the top of the MRF and the original GWC based on the agreement between the volumetric and FOT bubble radius calculations.

17. Injection Period: Time of Injection – 23Mar-1Apr2015 (159.0 hours)  
Injectate – Oxygen-depleted Air  
Test Pump – Compressors
18. Falloff Period: Shut-in Time – 07:02:10 4/01/2015  
End of Test Dataset – 08:59:20 4/03/2015  
Total Shut-in Time – 50.0 hours  
Final BH Shut-in Pressure – 2,037.0 psia  
Final BH Shut-in Temperature – 122.4 deg. F  
Time well went on vacuum – not applicable
19. Pressure Gradient: The pressure gradient at the bottomhole gauge is calculated as follows:  
Gas gradient =  $(0.01875 \cdot SG \cdot p) / (z \cdot T)$   
Gas gradient =  $(0.01875 \cdot 0.97 \cdot 2037) / (0.997 \cdot [460+122])$   
Gas gradient = 0.064 psi/ft
20. Calculated Test Data: The calculated test data for the FOT are presented by **EXHIBIT 8** and summarized below:  
Slope of semi-log plot,  $m = 0.4277 \times 10^6 \text{psi}^2/\text{cp}/\text{cycle}$   
Transmissibility = 852,041 md-ft/cp  
Flow Capacity = 19,050 md-ft  
Permeability = 238.1 md  
Skin factor,  $s = -1.41$

The test sequence is presented by **EXHIBIT 9**. As discussed above, the late time pressure falloff data (characterized by the increasing pressure derivative on **EXHIBIT 10**) indicate a radial discontinuity away from the well. This is expected as the injected 'air' had created a large bubble around the wellbore by displacing methane and formation water. To determine the distance to the gas/water interface, a well test simulation was made using the calculated diagnostic analysis results and a radial composite model. The results of the simulated test are discussed in the *Graphs* section below.

21. Graphs:

The Cartesian, log-log, and semi-log plots are presented by **EXHIBITS 9 - 11** for the Diagnostic Analysis. The wellbore storage period (unit slope on log-log diagnostic plot) is very short for the FOT (0.006 hours) and the start of the radial flow regime (flat plateau of pressure derivative function) starts at about 0.10 hours of shut-in time. The radial flow period, used to determine the interval permeability, transmissibility and skin factor, is identified on the 'Typecurve' and semi-log Horner plots in **EXHIBITS 10 and 11**, respectively. The calculated radius of investigation for this test is 2,485 feet.

The final recorded static formation pressure at the end of the FOT dataset is 2,037.0 psia but the pressure is still decreasing. Using the Horner plot, the trend was extrapolated to a Horner false pressure,  $p^*$ , of 2,025 psia. This extrapolated pressure is used as an estimate of static reservoir pressure. By comparison, the static reservoir pressure measured just prior to the start of 'air' injection was 1,887 psia.

An analytical radial composite model was created (**EXHIBIT 12**) in the Welltest software program assuming a large 'air' bubble located radially around the wellbore (Zone 1) and a water/residual native gas region located radially beyond the 'air' bubble (Zone 2). Based on the core data obtained in the offsetting Piacentine 2-27 well, KH is assumed to be higher in Zone 2 than Zone 1. The Piacentine 2-27 core analysis showed average relative water permeability values of 448 to 807 md in the correlative reservoir sands.

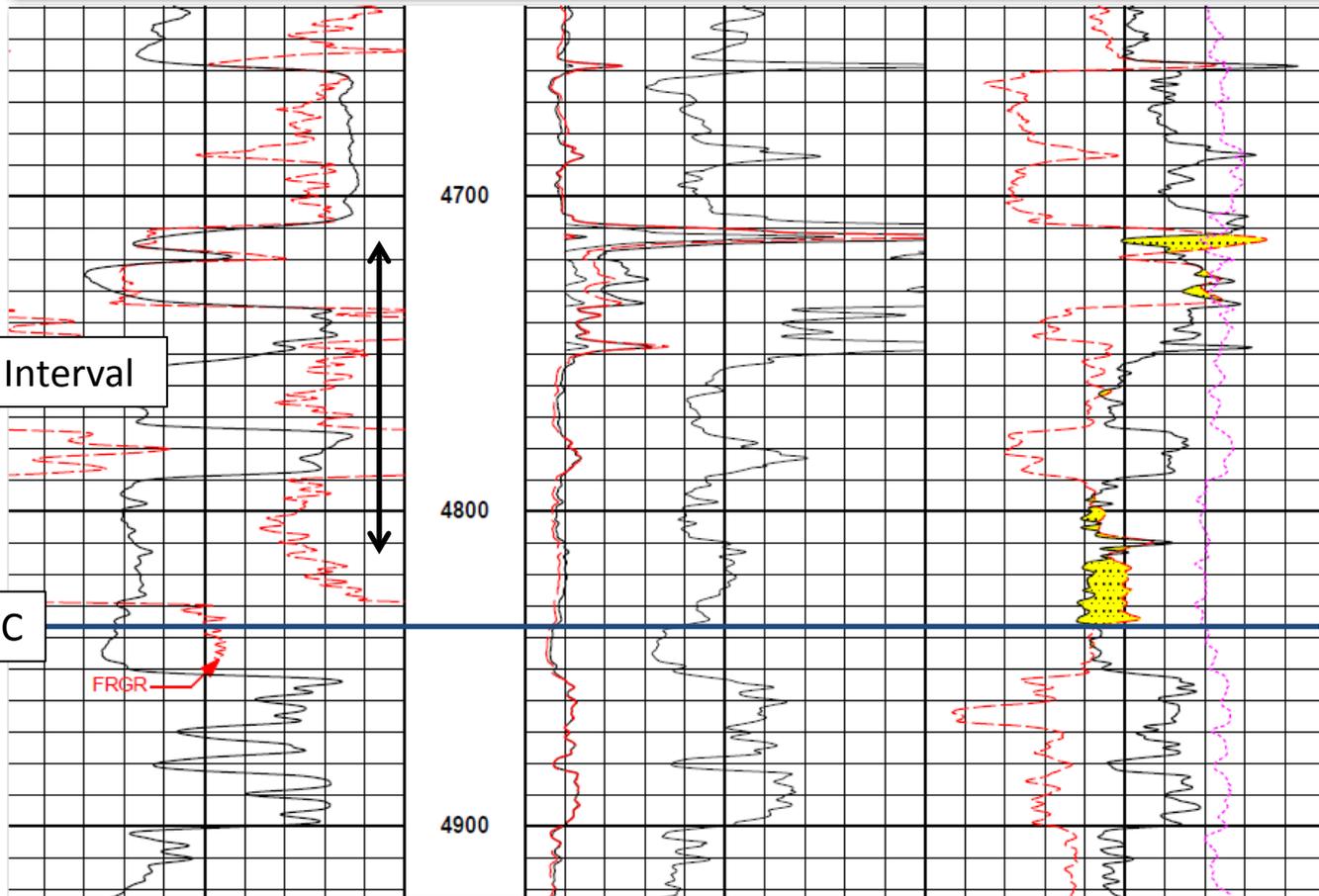
**EXHIBITS 13 – 16** present the results of the FOT Test Simulation. There is a good match between the simulated and actual pressure transient data for a calculated radial discontinuity 214 feet from the I/W Well 1. In addition, the composite model simulation predicts an increase in permeability, from 238 md in Zone 1 to 550 md in Zone 2.

22. Radioactive Tracer Run:

Not applicable.

# PG&E Test Injection Withdrawal Well 1 - Platform Express Log

		0	AMP RT 10	6	1.65	RHOB	2.65	
			ohmm			g/cc		
0	GR	150	RT90	30	60	NPHI	0	
	gapi		ohmm			%		
	SP	1 : 600	RT10	30		-0.25	DRHO	0.25
	-]10[+	ft	ohmm			g/cc		

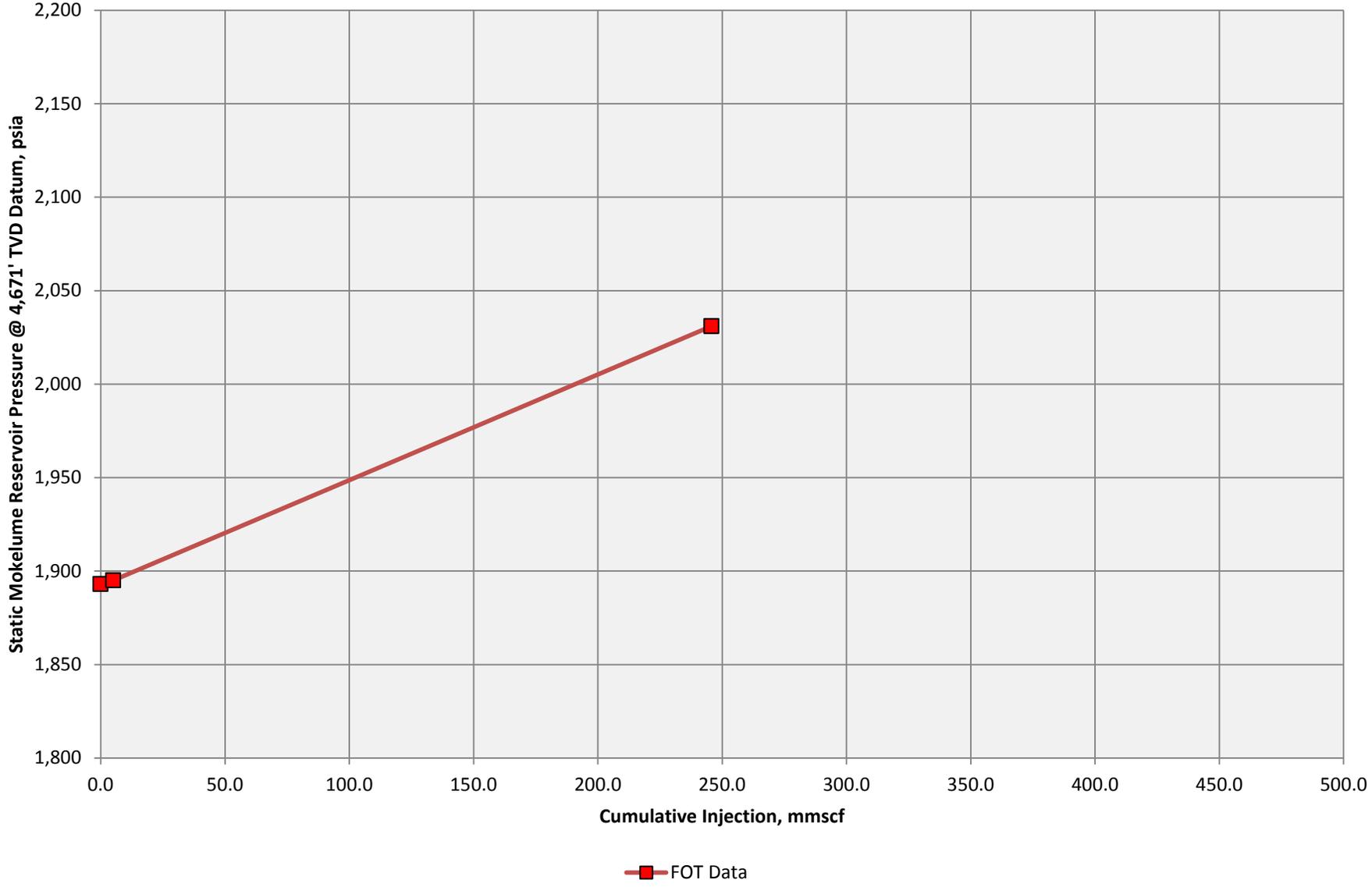


Completion Interval

Original GWC

# PG&E CAES TEST INJECTION/WITHDRAWAL WELL 1

## Static Reservoir Pressure vs Cumulative 'Air' Injection



# PG&E Test Injection-Withdrawal Well No. 1

PG&E

## WELL COMPLETION DIAGRAM

**COMMENTS**

A

B

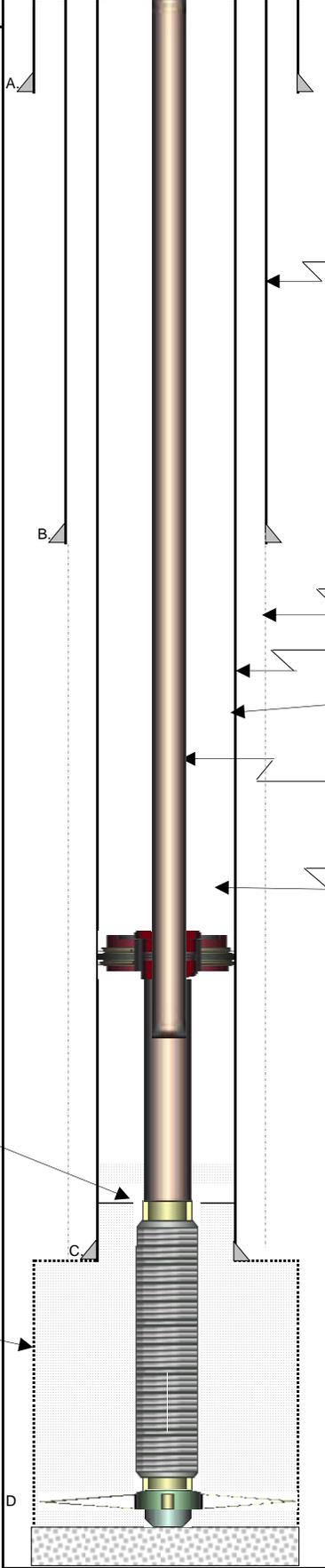
C

D

Top of gravel pack 4686' MD

8-3/4" hole under-reamed to 17"

PBTD: 4815' MD 4758' VD



**EQUIPMENT DESCRIPTION**

20" Casing @ 60' cemented to surface

13-3/8" Casing @ 630' cemented to Surface

12-1/4" Hole

9-5/8, 40#, J-55 LT&C

Centralizer (typical, see program description)

1. Tubing, 5-1/2", 17#, J-55, LT&C @ 4614' Including BH pressure gauge adapter. 1/4" cable is clamped to side of tubing. The annulus is filled with 4% KCL water with corrosion inhibitor plus biocide. SPSRO down pressure gauge 4610' MD = 4565' VD

2. Baker SC-1 Packer Top @ 4614' = 4569' VD

3. Upper Extension

4. Sliding Sleeve

5. Seal Bore

6. Lower Extension

7. Blank 5-1/2", 17#, N-80

9-5/8" Casing @ 4,716' MD = 4665' VD Cemented to surface

8 5-1/2" premium wire wrap screen (6" OD)

9 O-ring seal sub

10 Circ Shoe & Centralizer

11 Bottom of Liner at 4814' MD = 4755' VD

FIELD	NA	
WELL #	PG&E Test Injection/Withdrawal Well No. 1	
Ground MSL - $\epsilon$	-3.75	
KB	8.25'	
LOCATION	Sec. 27, T 3N, R 5E, MDB&M	

DIRECTIONAL DATA		
MAX ANGLE	20	THRU ZONE 4815'
KOP	3490'	HOLE TYPE Directional
470:		

SURFACE EQUIPMENT	
TREE	5-1/8" 3M
SWAB CAP SIZE & THRD	9" 4P Acme Thread
TOP TREE FLANGE	5-1/8" 3M
TUBING SPOOL FLANGE	11" 3M

TUBING DETAIL		
	1st or LS	SS or Btm of Taper
SIZE	5-1/2"	
WEIGHT	17#	
GRADE	J-55	
DEPTH	4614'	
THREAD	LT&C	
NEW/USED	NEW	
COATING	None	
SCSSV	None	
Min. I.D.	4.667"	

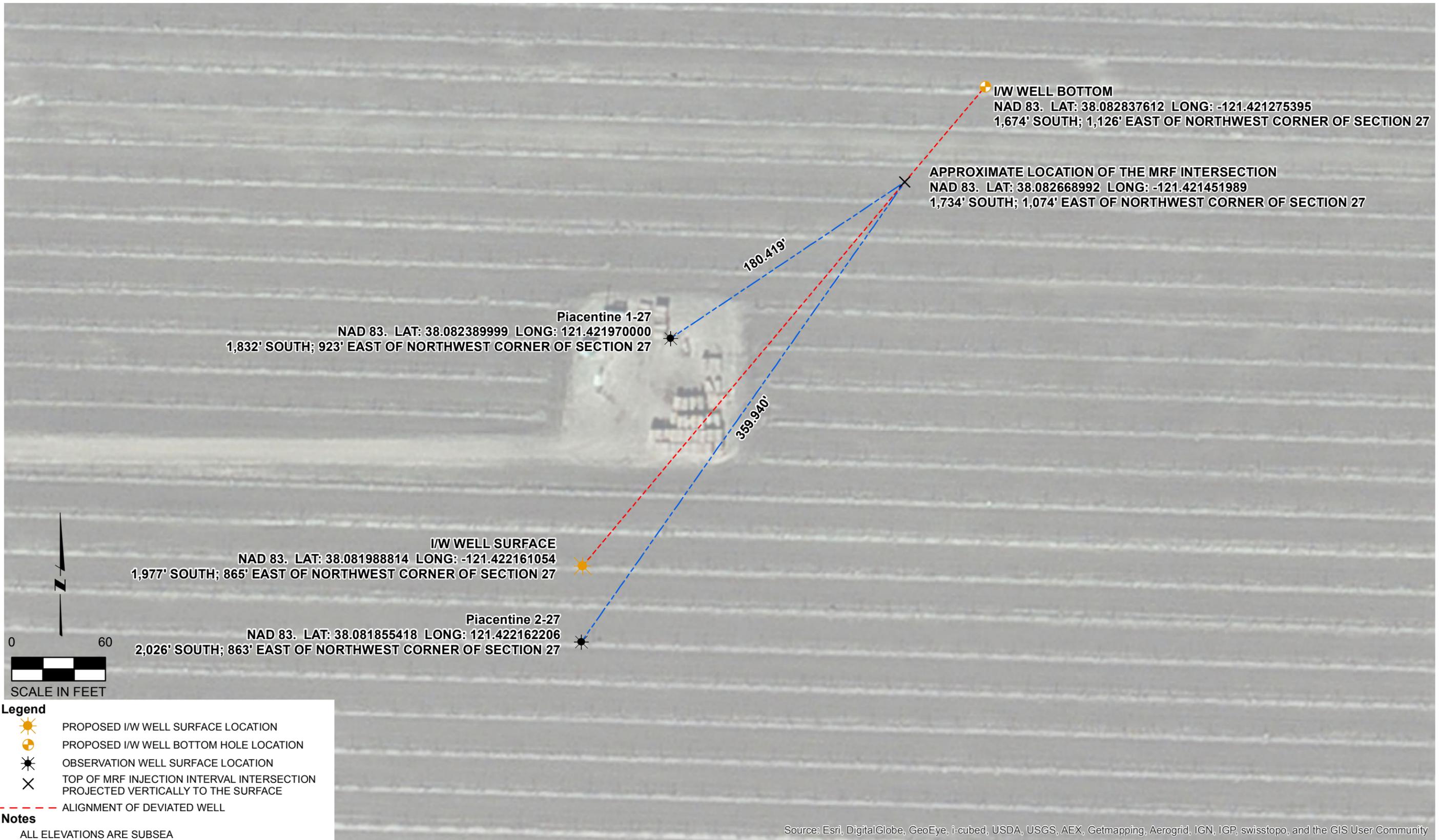
	O. D. (in.)	I. D. (in.)	LENGTH (ft)	DESCRIPTION
1.	5-1/2"	4.767"	4614'	5-1/2", 17#, J-55
2.	8.6"	6"	4.56'	Baker SC-1 Packer
3.	7.63"	6.969"	5.99'	7-5/8", 26# Upper Extension
4.	8.13"	6"	2.12'	Baker Model S Sliding Sleeve
5.	7.63"	6"	1.7'	Baker Seal Bore
6.	7"	6.366"	19.63'	Lower Extension
7.	5.5"	4.892"	38.30'	Blank 5-1/2", 17#, N-80
8.	6"	4.892"	122.68'	5 1/2" Wire wrapped screen
9.	5.5"	3.5"	2.63'	O-ring seal sub
10.	5.5"	N/A	1.9'	shoe
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				

CASING DETAIL					
#	SIZE	WGHT	GRADE	THRD	DEPTH
A	20"	53#	NA		0' - 60'
B	13-3/8"	54.5	J-55	LT&C	0' - 630'
C	9-5/8"	40#	J&N	LT&C	0' - 4,716'
D	5-1/2"	17#	N-80	LT&C	4614'-4815'
E	6"	17#	N-80	LT&C	Liner from 4686' to 4814'
F					
G					
H					
I					
J					
K					
L					
M					
N					

Prepared By: Saeed Irani Date: November 30, 2014  
 Updated By: Saeed Irani Date: November 30, 2014  
 Printed on: December 2, 2014

Completed:  
 File:  
 #N/A

**SECTION 27, TOWNSHIP 3 NORTH, RANGE 5 EAST**



**Legend**

- PROPOSED I/W WELL SURFACE LOCATION
- PROPOSED I/W WELL BOTTOM HOLE LOCATION
- OBSERVATION WELL SURFACE LOCATION
- TOP OF MRF INJECTION INTERVAL INTERSECTION PROJECTED VERTICALLY TO THE SURFACE
- ALIGNMENT OF DEVIATED WELL

**Notes**

ALL ELEVATIONS ARE SUBSEA

SURFACE AND TOP OF MRF INJECTION INTERVAL COORDINATES ARE THE SAME IN VERTICAL OBSERVATION WELLS

I/W INJECTION/WITHDRAWAL  
MRF MOKELUMNE RIVER FORMATION

FIGURE PREPARED BY: JACOBSON, JAMES & ASSOCIATES, INC.

Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Prepared for <b>PACIFIC GAS AND ELECTRIC COMPANY</b>		<b>PG&amp;E CAES PROJECT</b> COMPRESSION TESTING I/W WELL UIC APPLICATION SAN JOAQUIN COUNTY, CALIFORNIA	<b>FIGURE 2</b> <b>I/W AND OBSERVATION WELL COORDINATES</b> <b>SHOWING DISTANCES BETWEEN</b> <b>MRF INJECTION INTERVAL INTERSECTIONS</b>
		PROJECT No. 03.WP004      DATE 09/09/14      DRAWN BY DPG      APPR. BY RF	

Path: J:\GIS\WP\PG&E\CAES\Figure 2 KI Well Distances MRF.mxd

## EVENT LOG

<b>DATE:</b> 4-1-15	<b>Time of Shift:</b> 07:00 – 19:00	
<b>BWES Personnel on Shift:</b>  RATTO, CIVIELLO.	<b>Generon Personnel on Shift:</b>  BRENNON, ARON, ARMANDO, JASON, AUSSIE, RICK, CHRIS.	
<b>Summary of Events:</b>  07:00 – Plant – Injection mode. Injection flow total – 2,378 MSCF. Yesterday’s flow total – 8,468 MSCF. Withdrawal flow total – 0 MSCF. 07:01 – Generon shut down all 5 HP’s. 07:02 - Selected plant to Vent mode. 07:07 - All 5 LP’s down. 07:12 - All remaining ANIP equipment down. 08:10 - Operations not performing Current or Voltage logs, due to plant being down. 09:45 - Operations inspected both sample regulators and cleaned them out. 10:15 - Operations installed Coalescing filters on both sample lines. 10:45 - Operations repaired the I/A line leak at FBV-001. 14:00 - Generon signed off on all 5 HP LOTOS. 14:05 - Generon crew left site for the day. 18:05 - Operations Tested Area Gas Detectors.		<b>Injected for (hh:mm):</b>  0 HOURS.
		<b>Withdraw for (hh:mm)</b>  0 HOURS.
<b>Verify all emergency equipment is functional (i.e. flashlights, etc... other?)</b>	VERIFIED.	
<b>Injection Flow Totalizer (DAS):</b>	Beginning: 2,378 MSCF	End: 2,554 MSCF
<b>Withdrawal Flow Totalizer (DAS):</b>	Beginning: 0 MSCF	End: 0 MSCF
<b>Yesterday Flow Total (DAS):</b>	Beginning: 8,468 MSCF	End: 8,468 MSCF
<b>Water Produced Totalizer</b>	Beginning: 0 GALS.	End: 0 GALS.
<b>I/W Annulus N2 Pressure</b>	Beginning: 98 PSIA	End: 98 PSIA
<b>I/W Wellhead Pressure</b>	Beginning: 1,788 PSIA	End: 1,765 PSIA
<b>Water hauled offsite (gallons):</b>	0 GALS.	



## EVENT LOG

**Description of Weather:**

**MORNING** – Clear, slightly cool. **AFTERNOON** – Clear, warm.

**Samples Gathered:** None

**Issues/Equipment Malfunctions:**

>**Wellhead:** None

>**BOP:** None

>**ANIP:** None

Gas Injection Rates Prior to FOT

DATE	TIME: HR	REPORTED AIR INJ RATE (MMscfd)	SCHEDULE FOR TEST ANALYSIS, MMscfd	REPORTED CUM NET INJ mmscf	REPORTED NET INJ SINCE SHUTIN mmscf	CUM HOUR
3/25/15	11:00	0.0	0.0	187.342	0.000	
3/25/15	12:00	0.0	0.0	187.342	0.000	
3/25/15	13:00	0.0	0.0	187.342	0.000	
3/25/15	14:00	0.0	0.0	187.342	0.000	
3/25/15	15:00	0.0	0.0	187.342	0.000	
3/25/15	16:00	0.0	0.0	187.342	0.000	0
3/25/15	17:00	0.6	2.40	187.369	0.027	1
3/25/15	18:00	2.4	2.40	187.468	0.099	2
3/25/15	19:00	1.9	2.40	187.546	0.079	3
3/25/15	20:00	1.7	2.40	187.617	0.070	4
3/25/15	21:00	5.4	2.40	187.841	0.224	5
3/25/15	22:00	9.4	9.68	188.234	0.393	6
3/25/15	23:00	9.5	9.68	188.628	0.394	7
3/26/15	0:00	9.6	9.68	189.029	0.400	8
3/26/15	1:00	9.6	9.68	189.427	0.399	9
3/26/15	2:00	8.6	9.68	189.784	0.357	10
3/26/15	3:00	9.5	9.68	190.180	0.396	11
3/26/15	4:00	9.9	9.68	190.591	0.411	12
3/26/15	5:00	10.1	9.68	191.010	0.419	13
3/26/15	6:00	10.0	9.68	191.425	0.415	14
3/26/15	7:00	9.8	9.68	191.832	0.407	15
3/26/15	8:00	9.9	9.68	192.243	0.411	16
3/26/15	9:00	9.8	9.68	192.650	0.407	17
3/26/15	10:00	8.9	9.68	193.020	0.370	18
3/26/15	11:00	6.9	9.68	193.307	0.287	19
3/26/15	12:00	9.5	9.68	193.702	0.394	20
3/26/15	13:00	9.4	9.68	194.095	0.393	21
3/26/15	14:00	7.8	9.68	194.419	0.324	22
3/26/15	15:00	8.4	9.68	194.769	0.350	23
3/26/15	16:00	9.4	9.68	195.160	0.391	24
3/26/15	17:00	9.5	9.68	195.557	0.397	25
3/26/15	18:00	9.6	9.68	195.956	0.398	26
3/26/15	19:00	9.6	9.68	196.356	0.400	27
3/26/15	20:00	9.6	9.68	196.757	0.401	28
3/26/15	21:00	9.6	9.68	197.159	0.402	29
3/26/15	22:00	9.7	9.68	197.565	0.406	30
3/26/15	23:00	9.8	9.68	197.972	0.407	31
3/27/15	0:00	9.9	9.68	198.385	0.413	32
3/27/15	1:00	9.9	9.68	198.796	0.411	33
3/27/15	2:00	9.9	9.68	199.209	0.413	34
3/27/15	3:00	9.9	9.68	199.623	0.413	35
3/27/15	4:00	9.9	9.68	200.034	0.411	36
3/27/15	5:00	9.9	9.68	200.447	0.413	37
3/27/15	6:00	9.9	9.68	200.862	0.415	38
3/27/15	7:00	10.0	9.68	201.278	0.416	39
3/27/15	8:00	10.1	9.68	201.697	0.419	40
3/27/15	9:00	10.0	9.68	202.112	0.415	41
3/27/15	10:00	9.9	9.68	202.526	0.414	42
3/27/15	11:00	9.8	9.68	202.936	0.410	43
3/27/15	12:00	9.8	9.68	203.346	0.410	44
3/27/15	13:00	9.7	9.68	203.751	0.405	45
3/27/15	14:00	9.5	9.68	204.146	0.395	46
3/27/15	15:00	9.4	9.68	204.539	0.394	47
3/27/15	16:00	9.5	9.68	204.934	0.394	48
3/27/15	17:00	9.7	9.68	205.337	0.403	49
3/27/15	18:00	9.8	9.68	205.744	0.408	50
3/27/15	19:00	9.8	9.68	206.153	0.408	51
3/27/15	20:00	9.9	9.68	206.564	0.411	52

Gas Injection Rates Prior to FOT

DATE	TIME: HR	REPORTED AIR INJ RATE (MMscfd)	SCHEDULE FOR TEST ANALYSIS, MMscfd	REPORTED CUM NET INJ mmscf	REPORTED NET INJ SINCE SHUTIN mmscf	CUM HOUR
3/27/15	21:00	9.9	9.68	206.974	0.411	53
3/27/15	22:00	9.9	9.68	207.386	0.412	54
3/27/15	23:00	10.0	9.68	207.801	0.415	55
3/28/15	0:00	10.0	9.68	208.219	0.418	56
3/28/15	1:00	10.1	9.68	208.640	0.421	57
3/28/15	2:00	10.0	9.68	209.057	0.417	58
3/28/15	3:00	10.1	9.68	209.476	0.419	59
3/28/15	4:00	10.1	9.68	209.895	0.419	60
3/28/15	5:00	10.1	9.68	210.314	0.419	61
3/28/15	6:00	10.1	9.68	210.735	0.420	62
3/28/15	7:00	10.1	9.68	211.156	0.422	63
3/28/15	8:00	10.3	9.68	211.587	0.431	64
3/28/15	9:00	10.1	9.68	212.008	0.422	65
3/28/15	10:00	9.9	9.68	212.423	0.414	66
3/28/15	11:00	9.8	9.68	212.829	0.407	67
3/28/15	12:00	10.0	9.68	213.245	0.416	68
3/28/15	13:00	9.8	9.68	213.655	0.410	69
3/28/15	14:00	9.7	9.68	214.060	0.405	70
3/28/15	15:00	9.7	9.68	214.463	0.403	71
3/28/15	16:00	9.7	9.68	214.867	0.404	72
3/28/15	17:00	9.8	9.68	215.276	0.409	73
3/28/15	18:00	9.8	9.68	215.684	0.409	74
3/28/15	19:00	9.9	9.68	216.098	0.414	75
3/28/15	20:00	10.0	9.68	216.514	0.416	76
3/28/15	21:00	9.0	9.68	216.889	0.376	77
3/28/15	22:00	1.5	7.93	216.951	0.061	78
3/28/15	23:00	7.2	7.93	217.253	0.302	79
3/29/15	0:00	8.0	7.93	217.587	0.334	80
3/29/15	1:00	8.0	7.93	217.921	0.334	81
3/29/15	2:00	8.2	7.93	218.261	0.340	82
3/29/15	3:00	8.3	7.93	218.604	0.344	83
3/29/15	4:00	8.3	7.93	218.951	0.346	84
3/29/15	5:00	8.3	7.93	219.298	0.348	85
3/29/15	6:00	8.3	7.93	219.643	0.345	86
3/29/15	7:00	8.3	7.93	219.990	0.347	87
3/29/15	8:00	8.4	7.93	220.338	0.349	88
3/29/15	9:00	8.2	7.93	220.679	0.341	89
3/29/15	10:00	8.0	7.93	221.011	0.332	90
3/29/15	11:00	7.9	7.93	221.341	0.330	91
3/29/15	12:00	7.9	7.93	221.672	0.331	92
3/29/15	13:00	7.9	7.93	222.002	0.330	93
3/29/15	14:00	8.0	7.93	222.335	0.333	94
3/29/15	15:00	8.0	7.93	222.670	0.335	95
3/29/15	16:00	7.9	7.93	223.001	0.331	96
3/29/15	17:00	7.9	7.93	223.331	0.330	97
3/29/15	18:00	7.9	7.93	223.661	0.330	98
3/29/15	19:00	8.0	7.93	223.996	0.335	99
3/29/15	20:00	8.1	7.93	224.335	0.339	100
3/29/15	21:00	8.2	7.93	224.676	0.341	101
3/29/15	22:00	8.2	7.93	225.020	0.344	102
3/29/15	23:00	8.3	7.93	225.365	0.345	103
3/30/15	0:00	8.3	7.93	225.711	0.346	104
3/30/15	1:00	8.2	7.93	226.053	0.342	105
3/30/15	2:00	8.3	7.93	226.397	0.344	106
3/30/15	3:00	8.3	7.93	226.744	0.347	107
3/30/15	4:00	8.4	7.93	227.092	0.349	108
3/30/15	5:00	8.2	7.93	227.434	0.342	109
3/30/15	6:00	8.2	7.93	227.777	0.343	110

Gas Injection Rates Prior to FOT

DATE	TIME: HR	REPORTED AIR INJ RATE (MMscfd)	SCHEDULE FOR TEST ANALYSIS, MMscfd	REPORTED CUM NET INJ mmscf	REPORTED NET INJ SINCE SHUTIN mmscf	CUM HOUR
3/30/15	7:00	8.3	7.93	228.122	0.345	111
3/30/15	8:00	8.3	7.93	228.467	0.345	112
3/30/15	9:00	8.1	7.93	228.806	0.339	113
3/30/15	10:00	7.4	7.93	229.113	0.307	114
3/30/15	11:00	9.7	9.77	229.517	0.405	115
3/30/15	12:00	9.8	9.77	229.924	0.407	116
3/30/15	13:00	9.8	9.77	230.331	0.407	117
3/30/15	14:00	9.7	9.77	230.736	0.406	118
3/30/15	15:00	9.8	9.77	231.145	0.409	119
3/30/15	16:00	9.7	9.77	231.549	0.404	120
3/30/15	17:00	9.7	9.77	231.952	0.403	121
3/30/15	18:00	9.7	9.77	232.357	0.405	122
3/30/15	19:00	9.9	9.77	232.769	0.412	123
3/30/15	20:00	9.9	9.77	233.183	0.414	124
3/30/15	21:00	10.0	9.77	233.599	0.416	125
3/30/15	22:00	9.6	9.77	233.998	0.399	126
3/30/15	23:00	8.2	8.52	234.340	0.342	127
3/31/15	0:00	8.3	8.52	234.687	0.348	128
3/31/15	1:00	8.5	8.52	235.040	0.353	129
3/31/15	2:00	8.6	8.52	235.400	0.360	130
3/31/15	3:00	8.6	8.52	235.757	0.357	131
3/31/15	4:00	8.6	8.52	236.116	0.359	132
3/31/15	5:00	8.6	8.52	236.476	0.359	133
3/31/15	6:00	8.6	8.52	236.834	0.358	134
3/31/15	7:00	8.5	8.52	237.189	0.355	135
3/31/15	8:00	8.5	8.52	237.543	0.353	136
3/31/15	9:00	8.5	8.52	237.896	0.353	137
3/31/15	10:00	8.5	8.52	238.248	0.353	138
3/31/15	11:00	8.4	8.52	238.596	0.348	139
3/31/15	12:00	8.4	8.52	238.945	0.348	140
3/31/15	13:00	8.3	8.52	239.291	0.346	141
3/31/15	14:00	8.2	8.52	239.635	0.343	142
3/31/15	15:00	8.3	8.52	239.979	0.344	143
3/31/15	16:00	8.3	8.52	240.324	0.345	144
3/31/15	17:00	8.3	8.52	240.670	0.346	145
3/31/15	18:00	8.3	8.52	241.016	0.346	146
3/31/15	19:00	8.4	8.52	241.365	0.349	147
3/31/15	20:00	8.5	8.52	241.718	0.353	148
3/31/15	21:00	8.5	8.52	242.073	0.355	149
3/31/15	22:00	8.6	8.52	242.432	0.358	150
3/31/15	23:00	8.7	8.52	242.793	0.361	151
4/1/15	0:00	8.7	8.52	243.155	0.363	152
4/1/15	1:00	8.7	8.52	243.518	0.363	153
4/1/15	2:00	8.6	8.52	243.878	0.360	154
4/1/15	3:00	8.6	8.52	244.238	0.360	155
4/1/15	4:00	8.8	8.52	244.603	0.365	156
4/1/15	5:00	8.7	8.52	244.967	0.365	157
4/1/15	6:00	8.7	8.52	245.332	0.364	158
4/1/15	7:00	8.8	8.52	245.697	0.365	159
4/1/15	8:00	0.3	0.0	245.709	0.012	160
4/1/15	9:00	0.0	0.0	245.709	-	161
4/1/15	10:00	0.0	0.0	245.709	-	162
TOTAL					58.367	

# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
1	2015/03/25 16:00:00	0.0000	0.0000		0.000	0.0	0.0	0.0
2	2015/03/25 22:00:00	6.0000	6.0000		-2.400			
3	2015/03/28 22:00:00	78.0000	78.0000		-9.680			
4	2015/03/30 11:00:00	115.0000	115.0000		-7.930			
5	2015/03/30 23:00:00	127.0000	127.0000		-9.770			
6	2015/03/31 10:44:05	138.7347	138.7347	2063.76	-8.520			
7	2015/03/31 11:01:05	139.0181	139.0181	2063.70				
8	2015/03/31 11:18:05	139.3014	139.3014	2063.76				
9	2015/03/31 11:35:05	139.5847	139.5847	2063.88				
10	2015/03/31 11:52:05	139.8681	139.8681	2063.95				
11	2015/03/31 12:09:05	140.1514	140.1514	2063.90				
12	2015/03/31 12:26:06	140.4350	140.4350	2063.89				
13	2015/03/31 12:43:06	140.7183	140.7183	2063.85				
14	2015/03/31 13:00:06	141.0017	141.0017	2063.84				
15	2015/03/31 13:17:05	141.2847	141.2847	2063.88				
16	2015/03/31 13:34:05	141.5681	141.5681	2063.86				
17	2015/03/31 13:51:05	141.8514	141.8514	2063.90				
18	2015/03/31 14:08:05	142.1347	142.1347	2064.00				
19	2015/03/31 14:25:05	142.4181	142.4181	2064.02				
20	2015/03/31 14:42:05	142.7014	142.7014	2063.99				
21	2015/03/31 14:59:05	142.9847	142.9847	2064.02				
22	2015/03/31 15:16:05	143.2681	143.2681	2064.05				
23	2015/03/31 15:33:05	143.5514	143.5514	2064.12				
24	2015/03/31 15:50:05	143.8347	143.8347	2064.20				
25	2015/03/31 16:07:05	144.1181	144.1181	2064.25				
26	2015/03/31 16:24:05	144.4014	144.4014	2064.34				
27	2015/03/31 16:41:05	144.6847	144.6847	2064.23				
28	2015/03/31 16:58:05	144.9681	144.9681	2064.26				
29	2015/03/31 17:15:06	145.2517	145.2517	2064.34				
30	2015/03/31 17:32:06	145.5350	145.5350	2064.34				
31	2015/03/31 17:49:06	145.8183	145.8183	2064.40				
32	2015/03/31 18:06:06	146.1017	146.1017	2064.42				
33	2015/03/31 18:23:05	146.3847	146.3847	2064.48				
34	2015/03/31 18:40:05	146.6681	146.6681	2064.63				
35	2015/03/31 18:57:05	146.9514	146.9514	2064.68				
36	2015/03/31 19:14:05	147.2347	147.2347	2064.77				
37	2015/03/31 19:31:05	147.5181	147.5181	2064.84				
38	2015/03/31 19:48:05	147.8014	147.8014	2064.92				
39	2015/03/31 20:05:05	148.0847	148.0847	2064.91				
40	2015/03/31 20:22:05	148.3681	148.3681	2064.91				
41	2015/03/31 20:39:05	148.6514	148.6514	2065.10				
42	2015/03/31 20:56:05	148.9347	148.9347	2065.19				
43	2015/03/31 21:13:05	149.2181	149.2181	2065.26				
44	2015/03/31 21:30:05	149.5014	149.5014	2065.25				
45	2015/03/31 21:47:05	149.7847	149.7847	2065.31				
46	2015/03/31 22:04:05	150.0681	150.0681	2065.34				
47	2015/03/31 22:21:06	150.3517	150.3517	2065.45				
48	2015/03/31 22:38:06	150.6350	150.6350	2065.56				
49	2015/03/31 22:55:06	150.9183	150.9183	2065.59				
50	2015/03/31 23:12:05	151.2014	151.2014	2065.64				
51	2015/03/31 23:29:05	151.4847	151.4847	2065.73				
52	2015/03/31 23:46:05	151.7681	151.7681	2065.79				
53	2015/04/01 00:03:05	152.0514	152.0514	2065.90				
54	2015/04/01 00:20:05	152.3347	152.3347	2065.89				
55	2015/04/01 00:37:05	152.6181	152.6181	2065.91				
56	2015/04/01 00:54:05	152.9014	152.9014	2065.96				

# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
57	2015/04/01 01:11:05	153.1847	153.1847	2066.02				
58	2015/04/01 01:28:05	153.4681	153.4681	2066.05				
59	2015/04/01 01:45:05	153.7514	153.7514	2066.02				
60	2015/04/01 02:02:05	154.0347	154.0347	2066.09				
61	2015/04/01 02:19:05	154.3181	154.3181	2066.15				
62	2015/04/01 02:36:05	154.6014	154.6014	2066.22				
63	2015/04/01 02:53:05	154.8847	154.8847	2066.24				
64	2015/04/01 03:10:05	155.1681	155.1681	2066.33				
65	2015/04/01 03:27:06	155.4517	155.4517	2066.44				
66	2015/04/01 03:44:06	155.7350	155.7350	2066.49				
67	2015/04/01 04:01:06	156.0183	156.0183	2066.62				
68	2015/04/01 04:18:06	156.3017	156.3017	2066.62				
69	2015/04/01 04:35:05	156.5847	156.5847	2066.63				
70	2015/04/01 04:52:05	156.8681	156.8681	2066.71				
71	2015/04/01 05:09:05	157.1514	157.1514	2066.76				
72	2015/04/01 05:26:05	157.4347	157.4347	2066.78				
73	2015/04/01 05:43:05	157.7181	157.7181	2066.87				
74	2015/04/01 06:00:05	158.0014	158.0014	2066.91				
75	2015/04/01 06:17:05	158.2847	158.2847	2066.93				
76	2015/04/01 06:34:05	158.5681	158.5681	2067.02				
77	2015/04/01 06:51:05	158.8514	158.8514	2067.05				
78	2015/04/01 07:02:10	159.0361	159.0361	2067.11				
79	2015/04/01 07:02:15	159.0375	159.0375	2066.40				
80	2015/04/01 07:02:20	159.0389	159.0389	2064.93	0.000			
81	2015/04/01 07:02:25	159.0403	159.0403	2063.30				
82	2015/04/01 07:02:30	159.0417	159.0417	2063.02				
83	2015/04/01 07:02:35	159.0431	159.0431	2062.34				
84	2015/04/01 07:02:40	159.0444	159.0444	2062.02				
85	2015/04/01 07:02:45	159.0458	159.0458	2061.74				
86	2015/04/01 07:02:50	159.0472	159.0472	2061.70				
87	2015/04/01 07:02:55	159.0486	159.0486	2061.46				
88	2015/04/01 07:03:00	159.0500	159.0500	2061.28				
89	2015/04/01 07:03:05	159.0514	159.0514	2061.29				
90	2015/04/01 07:03:10	159.0528	159.0528	2061.10				
91	2015/04/01 07:03:15	159.0542	159.0542	2061.05				
92	2015/04/01 07:03:20	159.0556	159.0556	2060.96				
93	2015/04/01 07:03:25	159.0569	159.0569	2060.84				
94	2015/04/01 07:03:30	159.0583	159.0583	2060.82				
95	2015/04/01 07:03:35	159.0597	159.0597	2060.77				
96	2015/04/01 07:03:40	159.0611	159.0611	2060.70				
97	2015/04/01 07:03:45	159.0625	159.0625	2060.68				
98	2015/04/01 07:03:50	159.0639	159.0639	2060.59				
99	2015/04/01 07:03:55	159.0653	159.0653	2060.57				
100	2015/04/01 07:04:00	159.0667	159.0667	2060.55				
101	2015/04/01 07:04:05	159.0681	159.0681	2060.54				
102	2015/04/01 07:04:10	159.0694	159.0694	2060.47				
103	2015/04/01 07:04:15	159.0708	159.0708	2060.44				
104	2015/04/01 07:04:20	159.0722	159.0722	2060.42				
105	2015/04/01 07:04:25	159.0736	159.0736	2060.34				
106	2015/04/01 07:04:30	159.0750	159.0750	2060.32				
107	2015/04/01 07:04:35	159.0764	159.0764	2060.28				
108	2015/04/01 07:04:40	159.0778	159.0778	2060.27				
109	2015/04/01 07:04:45	159.0792	159.0792	2060.23				
110	2015/04/01 07:04:50	159.0806	159.0806	2060.25				
111	2015/04/01 07:04:55	159.0819	159.0819	2060.22				
112	2015/04/01 07:05:00	159.0833	159.0833	2060.16				

# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
113	2015/04/01 07:05:05	159.0847	159.0847	2060.14				
114	2015/04/01 07:05:10	159.0861	159.0861	2060.14				
115	2015/04/01 07:05:15	159.0875	159.0875	2060.14				
116	2015/04/01 07:05:20	159.0889	159.0889	2060.10				
117	2015/04/01 07:05:25	159.0903	159.0903	2060.03				
118	2015/04/01 07:05:30	159.0917	159.0917	2060.05				
119	2015/04/01 07:05:35	159.0931	159.0931	2060.00				
120	2015/04/01 07:05:40	159.0944	159.0944	2060.00				
121	2015/04/01 07:05:45	159.0958	159.0958	2059.97				
122	2015/04/01 07:05:50	159.0972	159.0972	2060.00				
123	2015/04/01 07:05:55	159.0986	159.0986	2059.97				
124	2015/04/01 07:06:00	159.1000	159.1000	2059.93				
125	2015/04/01 07:06:05	159.1014	159.1014	2059.89				
126	2015/04/01 07:06:10	159.1028	159.1028	2059.86				
127	2015/04/01 07:06:15	159.1042	159.1042	2059.86				
128	2015/04/01 07:06:20	159.1056	159.1056	2059.86				
129	2015/04/01 07:06:25	159.1069	159.1069	2059.86				
130	2015/04/01 07:06:30	159.1083	159.1083	2059.80				
131	2015/04/01 07:06:35	159.1097	159.1097	2059.79				
132	2015/04/01 07:06:40	159.1111	159.1111	2059.80				
133	2015/04/01 07:06:45	159.1125	159.1125	2059.75				
134	2015/04/01 07:06:50	159.1139	159.1139	2059.73				
135	2015/04/01 07:06:55	159.1153	159.1153	2059.74				
136	2015/04/01 07:07:00	159.1167	159.1167	2059.73				
137	2015/04/01 07:07:05	159.1181	159.1181	2059.75				
138	2015/04/01 07:07:10	159.1194	159.1194	2059.69				
139	2015/04/01 07:07:15	159.1208	159.1208	2059.66				
140	2015/04/01 07:07:20	159.1222	159.1222	2059.66				
141	2015/04/01 07:07:25	159.1236	159.1236	2059.64				
142	2015/04/01 07:07:30	159.1250	159.1250	2059.64				
143	2015/04/01 07:07:35	159.1264	159.1264	2059.63				
144	2015/04/01 07:07:40	159.1278	159.1278	2059.62				
145	2015/04/01 07:07:45	159.1292	159.1292	2059.59				
146	2015/04/01 07:07:50	159.1306	159.1306	2059.58				
147	2015/04/01 07:07:55	159.1319	159.1319	2059.56				
148	2015/04/01 07:08:00	159.1333	159.1333	2059.59				
149	2015/04/01 07:08:05	159.1347	159.1347	2059.55				
150	2015/04/01 07:08:10	159.1361	159.1361	2059.50				
151	2015/04/01 07:08:15	159.1375	159.1375	2059.50				
152	2015/04/01 07:08:20	159.1389	159.1389	2059.51				
153	2015/04/01 07:08:25	159.1403	159.1403	2059.49				
154	2015/04/01 07:08:30	159.1417	159.1417	2059.49				
155	2015/04/01 07:08:35	159.1431	159.1431	2059.47				
156	2015/04/01 07:08:40	159.1444	159.1444	2059.43				
157	2015/04/01 07:08:45	159.1458	159.1458	2059.41				
158	2015/04/01 07:08:50	159.1472	159.1472	2059.45				
159	2015/04/01 07:08:55	159.1486	159.1486	2059.45				
160	2015/04/01 07:09:00	159.1500	159.1500	2059.38				
161	2015/04/01 07:09:05	159.1514	159.1514	2059.39				
162	2015/04/01 07:09:10	159.1528	159.1528	2059.37				
163	2015/04/01 07:09:15	159.1542	159.1542	2059.37				
164	2015/04/01 07:09:20	159.1556	159.1556	2059.37				
165	2015/04/01 07:09:25	159.1569	159.1569	2059.36				
166	2015/04/01 07:09:30	159.1583	159.1583	2059.34				
167	2015/04/01 07:09:35	159.1597	159.1597	2059.34				
168	2015/04/01 07:09:40	159.1611	159.1611	2059.31				

EXHIBIT 7

# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
169	2015/04/01 07:09:45	159.1625	159.1625	2059.30				
170	2015/04/01 07:09:50	159.1639	159.1639	2059.33				
171	2015/04/01 07:09:55	159.1653	159.1653	2059.28				
172	2015/04/01 07:10:00	159.1667	159.1667	2059.31				
173	2015/04/01 07:10:05	159.1681	159.1681	2059.28				
174	2015/04/01 07:10:10	159.1694	159.1694	2059.26				
175	2015/04/01 07:10:15	159.1708	159.1708	2059.28				
176	2015/04/01 07:10:20	159.1722	159.1722	2059.27				
177	2015/04/01 07:10:25	159.1736	159.1736	2059.19				
178	2015/04/01 07:10:30	159.1750	159.1750	2059.20				
179	2015/04/01 07:10:35	159.1764	159.1764	2059.21				
180	2015/04/01 07:10:40	159.1778	159.1778	2059.20				
181	2015/04/01 07:10:45	159.1792	159.1792	2059.18				
182	2015/04/01 07:10:50	159.1806	159.1806	2059.16				
183	2015/04/01 07:10:55	159.1819	159.1819	2059.18				
184	2015/04/01 07:11:00	159.1833	159.1833	2059.18				
185	2015/04/01 07:11:05	159.1847	159.1847	2059.13				
186	2015/04/01 07:11:10	159.1861	159.1861	2059.13				
187	2015/04/01 07:11:15	159.1875	159.1875	2059.14				
188	2015/04/01 07:11:20	159.1889	159.1889	2059.11				
189	2015/04/01 07:11:25	159.1903	159.1903	2059.13				
190	2015/04/01 07:11:30	159.1917	159.1917	2059.10				
191	2015/04/01 07:11:35	159.1931	159.1931	2059.07				
192	2015/04/01 07:11:40	159.1944	159.1944	2059.05				
193	2015/04/01 07:11:45	159.1958	159.1958	2059.06				
194	2015/04/01 07:11:50	159.1972	159.1972	2059.07				
195	2015/04/01 07:11:55	159.1986	159.1986	2059.06				
196	2015/04/01 07:12:00	159.2000	159.2000	2059.04				
197	2015/04/01 07:12:05	159.2014	159.2014	2059.05				
198	2015/04/01 07:12:10	159.2028	159.2028	2059.00				
199	2015/04/01 07:12:15	159.2042	159.2042	2058.99				
200	2015/04/01 07:12:20	159.2056	159.2056	2059.02				
201	2015/04/01 07:12:25	159.2069	159.2069	2059.00				
202	2015/04/01 07:12:30	159.2083	159.2083	2058.99				
203	2015/04/01 07:12:35	159.2097	159.2097	2058.96				
204	2015/04/01 07:12:40	159.2111	159.2111	2058.94				
205	2015/04/01 07:12:45	159.2125	159.2125	2058.95				
206	2015/04/01 07:12:50	159.2139	159.2139	2058.99				
207	2015/04/01 07:12:55	159.2153	159.2153	2058.93				
208	2015/04/01 07:13:00	159.2167	159.2167	2058.89				
209	2015/04/01 07:13:05	159.2181	159.2181	2058.88				
210	2015/04/01 07:13:10	159.2194	159.2194	2058.93				
211	2015/04/01 07:13:15	159.2208	159.2208	2058.91				
212	2015/04/01 07:13:20	159.2222	159.2222	2058.90				
213	2015/04/01 07:13:25	159.2236	159.2236	2058.92				
214	2015/04/01 07:13:30	159.2250	159.2250	2058.89				
215	2015/04/01 07:13:35	159.2264	159.2264	2058.87				
216	2015/04/01 07:13:40	159.2278	159.2278	2058.85				
217	2015/04/01 07:13:45	159.2292	159.2292	2058.88				
218	2015/04/01 07:13:50	159.2306	159.2306	2058.85				
219	2015/04/01 07:13:55	159.2319	159.2319	2058.85				
220	2015/04/01 07:14:00	159.2333	159.2333	2058.82				
221	2015/04/01 07:14:05	159.2347	159.2347	2058.83				
222	2015/04/01 07:14:10	159.2361	159.2361	2058.84				
223	2015/04/01 07:14:15	159.2375	159.2375	2058.82				
224	2015/04/01 07:14:20	159.2389	159.2389	2058.79				

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# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
225	2015/04/01 07:14:25	159.2403	159.2403	2058.76				
226	2015/04/01 07:14:30	159.2417	159.2417	2058.79				
227	2015/04/01 07:14:35	159.2431	159.2431	2058.78				
228	2015/04/01 07:14:40	159.2444	159.2444	2058.77				
229	2015/04/01 07:14:45	159.2458	159.2458	2058.74				
230	2015/04/01 07:14:50	159.2472	159.2472	2058.76				
231	2015/04/01 07:14:55	159.2486	159.2486	2058.71				
232	2015/04/01 07:15:00	159.2500	159.2500	2058.71				
233	2015/04/01 07:15:05	159.2514	159.2514	2058.75				
234	2015/04/01 07:15:10	159.2528	159.2528	2058.71				
235	2015/04/01 07:15:15	159.2542	159.2542	2058.71				
236	2015/04/01 07:15:20	159.2556	159.2556	2058.67				
237	2015/04/01 07:15:25	159.2569	159.2569	2058.69				
238	2015/04/01 07:15:30	159.2583	159.2583	2058.70				
239	2015/04/01 07:15:35	159.2597	159.2597	2058.66				
240	2015/04/01 07:15:40	159.2611	159.2611	2058.66				
241	2015/04/01 07:15:45	159.2625	159.2625	2058.67				
242	2015/04/01 07:15:50	159.2639	159.2639	2058.67				
243	2015/04/01 07:15:55	159.2653	159.2653	2058.67				
244	2015/04/01 07:16:00	159.2667	159.2667	2058.60				
245	2015/04/01 07:16:05	159.2681	159.2681	2058.61				
246	2015/04/01 07:16:10	159.2694	159.2694	2058.62				
247	2015/04/01 07:16:15	159.2708	159.2708	2058.60				
248	2015/04/01 07:16:20	159.2722	159.2722	2058.59				
249	2015/04/01 07:16:25	159.2736	159.2736	2058.57				
250	2015/04/01 07:16:30	159.2750	159.2750	2058.58				
251	2015/04/01 07:16:35	159.2764	159.2764	2058.54				
252	2015/04/01 07:16:40	159.2778	159.2778	2058.58				
253	2015/04/01 07:16:45	159.2792	159.2792	2058.56				
254	2015/04/01 07:16:50	159.2806	159.2806	2058.56				
255	2015/04/01 07:16:55	159.2819	159.2819	2058.53				
256	2015/04/01 07:17:00	159.2833	159.2833	2058.53				
257	2015/04/01 07:17:05	159.2847	159.2847	2058.51				
258	2015/04/01 07:17:10	159.2861	159.2861	2058.54				
259	2015/04/01 07:17:15	159.2875	159.2875	2058.51				
260	2015/04/01 07:17:20	159.2889	159.2889	2058.52				
261	2015/04/01 07:17:25	159.2903	159.2903	2058.46				
262	2015/04/01 07:17:30	159.2917	159.2917	2058.48				
263	2015/04/01 07:17:35	159.2931	159.2931	2058.47				
264	2015/04/01 07:17:40	159.2944	159.2944	2058.47				
265	2015/04/01 07:17:45	159.2958	159.2958	2058.49				
266	2015/04/01 07:17:50	159.2972	159.2972	2058.48				
267	2015/04/01 07:17:55	159.2986	159.2986	2058.47				
268	2015/04/01 07:18:00	159.3000	159.3000	2058.44				
269	2015/04/01 07:18:05	159.3014	159.3014	2058.46				
270	2015/04/01 07:18:10	159.3028	159.3028	2058.41				
271	2015/04/01 07:18:15	159.3042	159.3042	2058.44				
272	2015/04/01 07:18:20	159.3056	159.3056	2058.40				
273	2015/04/01 07:18:25	159.3069	159.3069	2058.40				
274	2015/04/01 07:18:30	159.3083	159.3083	2058.39				
275	2015/04/01 07:18:35	159.3097	159.3097	2058.38				
276	2015/04/01 07:18:40	159.3111	159.3111	2058.39				
277	2015/04/01 07:18:45	159.3125	159.3125	2058.39				
278	2015/04/01 07:18:50	159.3139	159.3139	2058.37				
279	2015/04/01 07:18:55	159.3153	159.3153	2058.36				
280	2015/04/01 07:19:00	159.3167	159.3167	2058.38				

# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
281	2015/04/01 07:19:05	159.3181	159.3181	2058.34				
282	2015/04/01 07:19:10	159.3194	159.3194	2058.35				
283	2015/04/01 07:19:15	159.3208	159.3208	2058.34				
284	2015/04/01 07:19:20	159.3222	159.3222	2058.34				
285	2015/04/01 07:19:25	159.3236	159.3236	2058.30				
286	2015/04/01 07:19:30	159.3250	159.3250	2058.34				
287	2015/04/01 07:19:35	159.3264	159.3264	2058.36				
288	2015/04/01 07:19:40	159.3278	159.3278	2058.29				
289	2015/04/01 07:19:45	159.3292	159.3292	2058.29				
290	2015/04/01 07:19:50	159.3306	159.3306	2058.29				
291	2015/04/01 07:19:55	159.3319	159.3319	2058.28				
292	2015/04/01 07:20:00	159.3333	159.3333	2058.27				
293	2015/04/01 07:20:05	159.3347	159.3347	2058.29				
294	2015/04/01 07:20:10	159.3361	159.3361	2058.24				
295	2015/04/01 07:20:15	159.3375	159.3375	2058.26				
296	2015/04/01 07:20:20	159.3389	159.3389	2058.27				
297	2015/04/01 07:20:25	159.3403	159.3403	2058.25				
298	2015/04/01 07:20:30	159.3417	159.3417	2058.25				
299	2015/04/01 07:20:35	159.3431	159.3431	2058.23				
300	2015/04/01 07:20:40	159.3444	159.3444	2058.23				
301	2015/04/01 07:20:45	159.3458	159.3458	2058.26				
302	2015/04/01 07:20:50	159.3472	159.3472	2058.25				
303	2015/04/01 07:20:55	159.3486	159.3486	2058.19				
304	2015/04/01 07:21:00	159.3500	159.3500	2058.23				
305	2015/04/01 07:21:10	159.3528	159.3528	2058.22				
306	2015/04/01 07:21:15	159.3542	159.3542	2058.18				
307	2015/04/01 07:21:20	159.3556	159.3556	2058.22				
308	2015/04/01 07:21:25	159.3569	159.3569	2058.16				
309	2015/04/01 07:21:30	159.3583	159.3583	2058.19				
310	2015/04/01 07:21:35	159.3597	159.3597	2058.17				
311	2015/04/01 07:21:40	159.3611	159.3611	2058.20				
312	2015/04/01 07:21:45	159.3625	159.3625	2058.14				
313	2015/04/01 07:21:50	159.3639	159.3639	2058.17				
314	2015/04/01 07:21:55	159.3653	159.3653	2058.15				
315	2015/04/01 07:22:00	159.3667	159.3667	2058.14				
316	2015/04/01 07:22:05	159.3681	159.3681	2058.10				
317	2015/04/01 07:22:10	159.3694	159.3694	2058.14				
318	2015/04/01 07:22:20	159.3722	159.3722	2058.09				
319	2015/04/01 07:22:25	159.3736	159.3736	2058.09				
320	2015/04/01 07:22:30	159.3750	159.3750	2058.13				
321	2015/04/01 07:22:35	159.3764	159.3764	2058.10				
322	2015/04/01 07:22:40	159.3778	159.3778	2058.11				
323	2015/04/01 07:22:45	159.3792	159.3792	2058.08				
324	2015/04/01 07:22:50	159.3806	159.3806	2058.09				
325	2015/04/01 07:23:00	159.3833	159.3833	2058.09				
326	2015/04/01 07:23:05	159.3847	159.3847	2058.06				
327	2015/04/01 07:23:10	159.3861	159.3861	2058.06				
328	2015/04/01 07:23:15	159.3875	159.3875	2058.06				
329	2015/04/01 07:23:20	159.3889	159.3889	2058.05				
330	2015/04/01 07:23:25	159.3903	159.3903	2058.02				
331	2015/04/01 07:23:35	159.3931	159.3931	2058.02				
332	2015/04/01 07:23:40	159.3944	159.3944	2058.04				
333	2015/04/01 07:23:45	159.3958	159.3958	2057.99				
334	2015/04/01 07:23:50	159.3972	159.3972	2058.00				
335	2015/04/01 07:23:55	159.3986	159.3986	2058.01				
336	2015/04/01 07:24:05	159.4014	159.4014	2058.01				

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# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
337	2015/04/01 07:24:10	159.4028	159.4028	2057.98				
338	2015/04/01 07:24:15	159.4042	159.4042	2057.95				
339	2015/04/01 07:24:20	159.4056	159.4056	2057.97				
340	2015/04/01 07:24:25	159.4069	159.4069	2057.98				
341	2015/04/01 07:24:35	159.4097	159.4097	2057.94				
342	2015/04/01 07:24:40	159.4111	159.4111	2057.93				
343	2015/04/01 07:24:45	159.4125	159.4125	2057.95				
344	2015/04/01 07:24:50	159.4139	159.4139	2057.92				
345	2015/04/01 07:25:00	159.4167	159.4167	2057.93				
346	2015/04/01 07:25:05	159.4181	159.4181	2057.93				
347	2015/04/01 07:25:10	159.4194	159.4194	2057.92				
348	2015/04/01 07:25:15	159.4208	159.4208	2057.93				
349	2015/04/01 07:25:25	159.4236	159.4236	2057.90				
350	2015/04/01 07:25:30	159.4250	159.4250	2057.91				
351	2015/04/01 07:25:35	159.4264	159.4264	2057.91				
352	2015/04/01 07:25:45	159.4292	159.4292	2057.93				
353	2015/04/01 07:25:50	159.4306	159.4306	2057.88				
354	2015/04/01 07:25:55	159.4319	159.4319	2057.87				
355	2015/04/01 07:26:05	159.4347	159.4347	2057.85				
356	2015/04/01 07:26:10	159.4361	159.4361	2057.84				
357	2015/04/01 07:26:15	159.4375	159.4375	2057.83				
358	2015/04/01 07:26:25	159.4403	159.4403	2057.85				
359	2015/04/01 07:26:30	159.4417	159.4417	2057.84				
360	2015/04/01 07:26:35	159.4431	159.4431	2057.83				
361	2015/04/01 07:26:45	159.4458	159.4458	2057.80				
362	2015/04/01 07:26:50	159.4472	159.4472	2057.81				
363	2015/04/01 07:26:55	159.4486	159.4486	2057.82				
364	2015/04/01 07:27:05	159.4514	159.4514	2057.81				
365	2015/04/01 07:27:10	159.4528	159.4528	2057.77				
366	2015/04/01 07:27:15	159.4542	159.4542	2057.79				
367	2015/04/01 07:27:25	159.4569	159.4569	2057.80				
368	2015/04/01 07:27:30	159.4583	159.4583	2057.77				
369	2015/04/01 07:27:40	159.4611	159.4611	2057.75				
370	2015/04/01 07:27:45	159.4625	159.4625	2057.79				
371	2015/04/01 07:27:55	159.4653	159.4653	2057.78				
372	2015/04/01 07:28:00	159.4667	159.4667	2057.76				
373	2015/04/01 07:28:05	159.4681	159.4681	2057.76				
374	2015/04/01 07:28:15	159.4708	159.4708	2057.72				
375	2015/04/01 07:28:20	159.4722	159.4722	2057.74				
376	2015/04/01 07:28:30	159.4750	159.4750	2057.71				
377	2015/04/01 07:28:35	159.4764	159.4764	2057.70				
378	2015/04/01 07:28:45	159.4792	159.4792	2057.67				
379	2015/04/01 07:28:50	159.4806	159.4806	2057.71				
380	2015/04/01 07:29:00	159.4833	159.4833	2057.66				
381	2015/04/01 07:29:05	159.4847	159.4847	2057.66				
382	2015/04/01 07:29:15	159.4875	159.4875	2057.69				
383	2015/04/01 07:29:20	159.4889	159.4889	2057.67				
384	2015/04/01 07:29:30	159.4917	159.4917	2057.66				
385	2015/04/01 07:29:35	159.4931	159.4931	2057.65				
386	2015/04/01 07:29:45	159.4958	159.4958	2057.64				
387	2015/04/01 07:29:50	159.4972	159.4972	2057.62				
388	2015/04/01 07:30:00	159.5000	159.5000	2057.61				
389	2015/04/01 07:30:05	159.5014	159.5014	2057.61				
390	2015/04/01 07:30:15	159.5042	159.5042	2057.60				
391	2015/04/01 07:30:20	159.5056	159.5056	2057.63				
392	2015/04/01 07:30:30	159.5083	159.5083	2057.64				

# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
393	2015/04/01 07:30:35	159.5097	159.5097	2057.58				
394	2015/04/01 07:30:45	159.5125	159.5125	2057.57				
395	2015/04/01 07:30:55	159.5153	159.5153	2057.59				
396	2015/04/01 07:31:00	159.5167	159.5167	2057.57				
397	2015/04/01 07:31:10	159.5194	159.5194	2057.57				
398	2015/04/01 07:31:15	159.5208	159.5208	2057.52				
399	2015/04/01 07:31:25	159.5236	159.5236	2057.55				
400	2015/04/01 07:31:35	159.5264	159.5264	2057.52				
401	2015/04/01 07:31:40	159.5278	159.5278	2057.53				
402	2015/04/01 07:31:50	159.5306	159.5306	2057.55				
403	2015/04/01 07:32:00	159.5333	159.5333	2057.50				
404	2015/04/01 07:32:05	159.5347	159.5347	2057.52				
405	2015/04/01 07:32:15	159.5375	159.5375	2057.50				
406	2015/04/01 07:32:25	159.5403	159.5403	2057.51				
407	2015/04/01 07:32:30	159.5417	159.5417	2057.45				
408	2015/04/01 07:32:40	159.5444	159.5444	2057.49				
409	2015/04/01 07:32:50	159.5472	159.5472	2057.44				
410	2015/04/01 07:32:55	159.5486	159.5486	2057.45				
411	2015/04/01 07:33:05	159.5514	159.5514	2057.45				
412	2015/04/01 07:33:15	159.5542	159.5542	2057.45				
413	2015/04/01 07:33:20	159.5556	159.5556	2057.40				
414	2015/04/01 07:33:30	159.5583	159.5583	2057.40				
415	2015/04/01 07:33:40	159.5611	159.5611	2057.39				
416	2015/04/01 07:33:50	159.5639	159.5639	2057.40				
417	2015/04/01 07:33:55	159.5653	159.5653	2057.42				
418	2015/04/01 07:34:05	159.5681	159.5681	2057.40				
419	2015/04/01 07:34:15	159.5708	159.5708	2057.35				
420	2015/04/01 07:34:25	159.5736	159.5736	2057.37				
421	2015/04/01 07:34:35	159.5764	159.5764	2057.37				
422	2015/04/01 07:34:40	159.5778	159.5778	2057.32				
423	2015/04/01 07:34:50	159.5806	159.5806	2057.33				
424	2015/04/01 07:35:00	159.5833	159.5833	2057.34				
425	2015/04/01 07:35:10	159.5861	159.5861	2057.32				
426	2015/04/01 07:35:20	159.5889	159.5889	2057.32				
427	2015/04/01 07:35:25	159.5903	159.5903	2057.29				
428	2015/04/01 07:35:35	159.5931	159.5931	2057.32				
429	2015/04/01 07:35:45	159.5958	159.5958	2057.25				
430	2015/04/01 07:35:55	159.5986	159.5986	2057.27				
431	2015/04/01 07:36:05	159.6014	159.6014	2057.30				
432	2015/04/01 07:36:15	159.6042	159.6042	2057.26				
433	2015/04/01 07:36:25	159.6069	159.6069	2057.27				
434	2015/04/01 07:36:35	159.6097	159.6097	2057.26				
435	2015/04/01 07:36:40	159.6111	159.6111	2057.25				
436	2015/04/01 07:36:50	159.6139	159.6139	2057.26				
437	2015/04/01 07:37:00	159.6167	159.6167	2057.22				
438	2015/04/01 07:37:10	159.6194	159.6194	2057.22				
439	2015/04/01 07:37:20	159.6222	159.6222	2057.22				
440	2015/04/01 07:37:30	159.6250	159.6250	2057.18				
441	2015/04/01 07:37:40	159.6278	159.6278	2057.22				
442	2015/04/01 07:37:50	159.6306	159.6306	2057.21				
443	2015/04/01 07:38:00	159.6333	159.6333	2057.20				
444	2015/04/01 07:38:10	159.6361	159.6361	2057.19				
445	2015/04/01 07:38:20	159.6389	159.6389	2057.16				
446	2015/04/01 07:38:30	159.6417	159.6417	2057.18				
447	2015/04/01 07:38:40	159.6444	159.6444	2057.13				
448	2015/04/01 07:38:50	159.6472	159.6472	2057.12				

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# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
449	2015/04/01 07:39:00	159.6500	159.6500	2057.16				
450	2015/04/01 07:39:10	159.6528	159.6528	2057.12				
451	2015/04/01 07:39:20	159.6556	159.6556	2057.13				
452	2015/04/01 07:39:30	159.6583	159.6583	2057.12				
453	2015/04/01 07:39:40	159.6611	159.6611	2057.11				
454	2015/04/01 07:39:50	159.6639	159.6639	2057.10				
455	2015/04/01 07:40:00	159.6667	159.6667	2057.07				
456	2015/04/01 07:40:15	159.6708	159.6708	2057.09				
457	2015/04/01 07:40:25	159.6736	159.6736	2057.08				
458	2015/04/01 07:40:35	159.6764	159.6764	2057.05				
459	2015/04/01 07:40:45	159.6792	159.6792	2057.02				
460	2015/04/01 07:40:55	159.6819	159.6819	2057.04				
461	2015/04/01 07:41:05	159.6847	159.6847	2057.05				
462	2015/04/01 07:41:15	159.6875	159.6875	2057.01				
463	2015/04/01 07:41:30	159.6917	159.6917	2056.99				
464	2015/04/01 07:41:40	159.6944	159.6944	2057.02				
465	2015/04/01 07:41:50	159.6972	159.6972	2057.02				
466	2015/04/01 07:42:00	159.7000	159.7000	2056.97				
467	2015/04/01 07:42:10	159.7028	159.7028	2056.98				
468	2015/04/01 07:42:25	159.7069	159.7069	2056.98				
469	2015/04/01 07:42:35	159.7097	159.7097	2056.98				
470	2015/04/01 07:42:45	159.7125	159.7125	2056.95				
471	2015/04/01 07:42:55	159.7153	159.7153	2056.94				
472	2015/04/01 07:43:10	159.7194	159.7194	2056.94				
473	2015/04/01 07:43:20	159.7222	159.7222	2056.91				
474	2015/04/01 07:43:30	159.7250	159.7250	2056.95				
475	2015/04/01 07:43:40	159.7278	159.7278	2056.93				
476	2015/04/01 07:43:55	159.7319	159.7319	2056.92				
477	2015/04/01 07:44:05	159.7347	159.7347	2056.90				
478	2015/04/01 07:44:15	159.7375	159.7375	2056.90				
479	2015/04/01 07:44:30	159.7417	159.7417	2056.88				
480	2015/04/01 07:44:40	159.7444	159.7444	2056.84				
481	2015/04/01 07:44:50	159.7472	159.7472	2056.87				
482	2015/04/01 07:45:05	159.7514	159.7514	2056.85				
483	2015/04/01 07:45:15	159.7542	159.7542	2056.87				
484	2015/04/01 07:45:25	159.7569	159.7569	2056.83				
485	2015/04/01 07:45:40	159.7611	159.7611	2056.84				
486	2015/04/01 07:45:50	159.7639	159.7639	2056.77				
487	2015/04/01 07:46:05	159.7681	159.7681	2056.82				
488	2015/04/01 07:46:15	159.7708	159.7708	2056.80				
489	2015/04/01 07:46:30	159.7750	159.7750	2056.79				
490	2015/04/01 07:46:40	159.7778	159.7778	2056.77				
491	2015/04/01 07:46:55	159.7819	159.7819	2056.73				
492	2015/04/01 07:47:05	159.7847	159.7847	2056.75				
493	2015/04/01 07:47:20	159.7889	159.7889	2056.76				
494	2015/04/01 07:47:30	159.7917	159.7917	2056.76				
495	2015/04/01 07:47:45	159.7958	159.7958	2056.75				
496	2015/04/01 07:47:55	159.7986	159.7986	2056.73				
497	2015/04/01 07:48:10	159.8028	159.8028	2056.75				
498	2015/04/01 07:48:20	159.8056	159.8056	2056.70				
499	2015/04/01 07:48:35	159.8097	159.8097	2056.72				
500	2015/04/01 07:48:45	159.8125	159.8125	2056.68				
501	2015/04/01 07:49:00	159.8167	159.8167	2056.72				
502	2015/04/01 07:49:10	159.8194	159.8194	2056.70				
503	2015/04/01 07:49:25	159.8236	159.8236	2056.66				
504	2015/04/01 07:49:40	159.8278	159.8278	2056.69				

# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
505	2015/04/01 07:49:50	159.8306	159.8306	2056.64				
506	2015/04/01 07:50:05	159.8347	159.8347	2056.64				
507	2015/04/01 07:50:20	159.8389	159.8389	2056.68				
508	2015/04/01 07:50:30	159.8417	159.8417	2056.67				
509	2015/04/01 07:50:45	159.8458	159.8458	2056.58				
510	2015/04/01 07:51:00	159.8500	159.8500	2056.64				
511	2015/04/01 07:51:10	159.8528	159.8528	2056.62				
512	2015/04/01 07:51:25	159.8569	159.8569	2056.62				
513	2015/04/01 07:51:40	159.8611	159.8611	2056.56				
514	2015/04/01 07:51:55	159.8653	159.8653	2056.61				
515	2015/04/01 07:52:05	159.8681	159.8681	2056.58				
516	2015/04/01 07:52:20	159.8722	159.8722	2056.57				
517	2015/04/01 07:52:35	159.8764	159.8764	2056.56				
518	2015/04/01 07:52:50	159.8806	159.8806	2056.52				
519	2015/04/01 07:53:00	159.8833	159.8833	2056.56				
520	2015/04/01 07:53:15	159.8875	159.8875	2056.56				
521	2015/04/01 07:53:30	159.8917	159.8917	2056.58				
522	2015/04/01 07:53:45	159.8958	159.8958	2056.52				
523	2015/04/01 07:54:00	159.9000	159.9000	2056.46				
524	2015/04/01 07:54:15	159.9042	159.9042	2056.51				
525	2015/04/01 07:54:30	159.9083	159.9083	2056.46				
526	2015/04/01 07:54:40	159.9111	159.9111	2056.45				
527	2015/04/01 07:54:55	159.9153	159.9153	2056.49				
528	2015/04/01 07:55:10	159.9194	159.9194	2056.44				
529	2015/04/01 07:55:25	159.9236	159.9236	2056.41				
530	2015/04/01 07:55:40	159.9278	159.9278	2056.45				
531	2015/04/01 07:55:55	159.9319	159.9319	2056.43				
532	2015/04/01 07:56:10	159.9361	159.9361	2056.41				
533	2015/04/01 07:56:25	159.9403	159.9403	2056.39				
534	2015/04/01 07:56:40	159.9444	159.9444	2056.40				
535	2015/04/01 07:56:55	159.9486	159.9486	2056.40				
536	2015/04/01 07:57:10	159.9528	159.9528	2056.39				
537	2015/04/01 07:57:25	159.9569	159.9569	2056.37				
538	2015/04/01 07:57:40	159.9611	159.9611	2056.34				
539	2015/04/01 07:57:55	159.9653	159.9653	2056.37				
540	2015/04/01 07:58:10	159.9694	159.9694	2056.30				
541	2015/04/01 07:58:30	159.9750	159.9750	2056.32				
542	2015/04/01 07:58:45	159.9792	159.9792	2056.32				
543	2015/04/01 07:59:00	159.9833	159.9833	2056.31				
544	2015/04/01 07:59:15	159.9875	159.9875	2056.30				
545	2015/04/01 07:59:30	159.9917	159.9917	2056.28				
546	2015/04/01 07:59:45	159.9958	159.9958	2056.26				
547	2015/04/01 08:00:05	160.0014	160.0014	2056.26				
548	2015/04/01 08:00:20	160.0056	160.0056	2056.24				
549	2015/04/01 08:00:35	160.0097	160.0097	2056.25				
550	2015/04/01 08:00:50	160.0139	160.0139	2056.24				
551	2015/04/01 08:01:05	160.0181	160.0181	2056.24				
552	2015/04/01 08:01:25	160.0236	160.0236	2056.23				
553	2015/04/01 08:01:40	160.0278	160.0278	2056.22				
554	2015/04/01 08:01:55	160.0319	160.0319	2056.21				
555	2015/04/01 08:02:15	160.0375	160.0375	2056.21				
556	2015/04/01 08:02:30	160.0417	160.0417	2056.18				
557	2015/04/01 08:02:45	160.0458	160.0458	2056.16				
558	2015/04/01 08:03:05	160.0514	160.0514	2056.16				
559	2015/04/01 08:03:20	160.0556	160.0556	2056.13				
560	2015/04/01 08:03:35	160.0597	160.0597	2056.17				

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# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
561	2015/04/01 08:03:55	160.0653	160.0653	2056.16				
562	2015/04/01 08:04:10	160.0694	160.0694	2056.13				
563	2015/04/01 08:04:30	160.0750	160.0750	2056.08				
564	2015/04/01 08:04:45	160.0792	160.0792	2056.11				
565	2015/04/01 08:05:05	160.0847	160.0847	2056.09				
566	2015/04/01 08:05:20	160.0889	160.0889	2056.08				
567	2015/04/01 08:05:40	160.0944	160.0944	2056.06				
568	2015/04/01 08:05:55	160.0986	160.0986	2056.07				
569	2015/04/01 08:06:15	160.1042	160.1042	2056.03				
570	2015/04/01 08:06:30	160.1083	160.1083	2056.02				
571	2015/04/01 08:06:50	160.1139	160.1139	2056.01				
572	2015/04/01 08:07:05	160.1181	160.1181	2056.00				
573	2015/04/01 08:07:25	160.1236	160.1236	2056.02				
574	2015/04/01 08:07:45	160.1292	160.1292	2056.04				
575	2015/04/01 08:08:00	160.1333	160.1333	2055.98				
576	2015/04/01 08:08:20	160.1389	160.1389	2056.01				
577	2015/04/01 08:08:35	160.1431	160.1431	2055.97				
578	2015/04/01 08:08:55	160.1486	160.1486	2055.96				
579	2015/04/01 08:09:15	160.1542	160.1542	2055.97				
580	2015/04/01 08:09:35	160.1597	160.1597	2055.93				
581	2015/04/01 08:09:50	160.1639	160.1639	2055.94				
582	2015/04/01 08:10:10	160.1694	160.1694	2055.94				
583	2015/04/01 08:10:30	160.1750	160.1750	2055.89				
584	2015/04/01 08:10:50	160.1806	160.1806	2055.89				
585	2015/04/01 08:11:05	160.1847	160.1847	2055.89				
586	2015/04/01 08:11:25	160.1903	160.1903	2055.87				
587	2015/04/01 08:11:45	160.1958	160.1958	2055.88				
588	2015/04/01 08:12:05	160.2014	160.2014	2055.85				
589	2015/04/01 08:12:25	160.2069	160.2069	2055.89				
590	2015/04/01 08:12:45	160.2125	160.2125	2055.83				
591	2015/04/01 08:13:05	160.2181	160.2181	2055.84				
592	2015/04/01 08:13:25	160.2236	160.2236	2055.80				
593	2015/04/01 08:13:45	160.2292	160.2292	2055.79				
594	2015/04/01 08:14:00	160.2333	160.2333	2055.80				
595	2015/04/01 08:14:20	160.2389	160.2389	2055.81				
596	2015/04/01 08:14:40	160.2444	160.2444	2055.77				
597	2015/04/01 08:15:00	160.2500	160.2500	2055.78				
598	2015/04/01 08:15:25	160.2569	160.2569	2055.75				
599	2015/04/01 08:15:45	160.2625	160.2625	2055.78				
600	2015/04/01 08:16:01	160.2669	160.2669	2055.73				
601	2015/04/01 08:16:25	160.2736	160.2736	2055.75				
602	2015/04/01 08:16:46	160.2794	160.2794	2055.73				
603	2015/04/01 08:17:05	160.2847	160.2847	2055.73				
604	2015/04/01 08:17:26	160.2906	160.2906	2055.71				
605	2015/04/01 08:17:45	160.2958	160.2958	2055.66				
606	2015/04/01 08:18:06	160.3017	160.3017	2055.69				
607	2015/04/01 08:18:30	160.3083	160.3083	2055.65				
608	2015/04/01 08:18:50	160.3139	160.3139	2055.63				
609	2015/04/01 08:19:10	160.3194	160.3194	2055.61				
610	2015/04/01 08:19:31	160.3253	160.3253	2055.63				
611	2015/04/01 08:19:55	160.3319	160.3319	2055.63				
612	2015/04/01 08:20:15	160.3375	160.3375	2055.62				
613	2015/04/01 08:20:35	160.3431	160.3431	2055.59				
614	2015/04/01 08:21:00	160.3500	160.3500	2055.58				
615	2015/04/01 08:21:20	160.3556	160.3556	2055.58				
616	2015/04/01 08:21:40	160.3611	160.3611	2055.54				

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# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
617	2015/04/01 08:22:06	160.3683	160.3683	2055.54				
618	2015/04/01 08:22:25	160.3736	160.3736	2055.55				
619	2015/04/01 08:22:50	160.3806	160.3806	2055.55				
620	2015/04/01 08:23:10	160.3861	160.3861	2055.54				
621	2015/04/01 08:23:35	160.3931	160.3931	2055.55				
622	2015/04/01 08:23:56	160.3989	160.3989	2055.53				
623	2015/04/01 08:24:21	160.4058	160.4058	2055.49				
624	2015/04/01 08:24:41	160.4114	160.4114	2055.48				
625	2015/04/01 08:25:05	160.4181	160.4181	2055.45				
626	2015/04/01 08:25:26	160.4239	160.4239	2055.47				
627	2015/04/01 08:25:50	160.4306	160.4306	2055.43				
628	2015/04/01 08:26:15	160.4375	160.4375	2055.46				
629	2015/04/01 08:26:36	160.4433	160.4433	2055.42				
630	2015/04/01 08:27:01	160.4503	160.4503	2055.41				
631	2015/04/01 08:27:25	160.4569	160.4569	2055.40				
632	2015/04/01 08:27:51	160.4642	160.4642	2055.38				
633	2015/04/01 08:28:36	160.4767	160.4767	2055.39				
634	2015/04/01 08:29:00	160.4833	160.4833	2055.37				
635	2015/04/01 08:29:25	160.4903	160.4903	2055.38				
636	2015/04/01 08:29:46	160.4961	160.4961	2055.36				
637	2015/04/01 08:30:11	160.5031	160.5031	2055.34				
638	2015/04/01 08:30:36	160.5100	160.5100	2055.33				
639	2015/04/01 08:31:00	160.5167	160.5167	2055.32				
640	2015/04/01 08:31:26	160.5239	160.5239	2055.31				
641	2015/04/01 08:31:51	160.5308	160.5308	2055.30				
642	2015/04/01 08:32:15	160.5375	160.5375	2055.27				
643	2015/04/01 08:32:41	160.5447	160.5447	2055.28				
644	2015/04/01 08:33:06	160.5517	160.5517	2055.28				
645	2015/04/01 08:33:30	160.5583	160.5583	2055.26				
646	2015/04/01 08:33:56	160.5656	160.5656	2055.21				
647	2015/04/01 08:34:20	160.5722	160.5722	2055.25				
648	2015/04/01 08:34:46	160.5794	160.5794	2055.20				
649	2015/04/01 08:35:11	160.5864	160.5864	2055.21				
650	2015/04/01 08:35:36	160.5933	160.5933	2055.18				
651	2015/04/01 08:36:01	160.6003	160.6003	2055.16				
652	2015/04/01 08:36:31	160.6086	160.6086	2055.16				
653	2015/04/01 08:36:56	160.6156	160.6156	2055.14				
654	2015/04/01 08:37:21	160.6225	160.6225	2055.12				
655	2015/04/01 08:37:51	160.6308	160.6308	2055.10				
656	2015/04/01 08:38:41	160.6447	160.6447	2055.12				
657	2015/04/01 08:39:06	160.6517	160.6517	2055.09				
658	2015/04/01 08:39:36	160.6600	160.6600	2055.08				
659	2015/04/01 08:40:01	160.6669	160.6669	2055.09				
660	2015/04/01 08:40:31	160.6753	160.6753	2055.04				
661	2015/04/01 08:40:56	160.6822	160.6822	2055.01				
662	2015/04/01 08:41:26	160.6906	160.6906	2055.04				
663	2015/04/01 08:41:51	160.6975	160.6975	2055.04				
664	2015/04/01 08:42:21	160.7058	160.7058	2054.97				
665	2015/04/01 08:42:46	160.7128	160.7128	2054.99				
666	2015/04/01 08:43:16	160.7211	160.7211	2054.99				
667	2015/04/01 08:43:41	160.7281	160.7281	2054.97				
668	2015/04/01 08:44:11	160.7364	160.7364	2054.97				
669	2015/04/01 08:44:41	160.7447	160.7447	2054.95				
670	2015/04/01 08:45:06	160.7517	160.7517	2054.96				
671	2015/04/01 08:45:36	160.7600	160.7600	2054.94				
672	2015/04/01 08:46:06	160.7683	160.7683	2054.89				

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# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
673	2015/04/01 08:46:31	160.7753	160.7753	2054.90				
674	2015/04/01 08:47:01	160.7836	160.7836	2054.88				
675	2015/04/01 08:47:31	160.7919	160.7919	2054.87				
676	2015/04/01 08:48:01	160.8003	160.8003	2054.89				
677	2015/04/01 08:48:31	160.8086	160.8086	2054.85				
678	2015/04/01 08:49:01	160.8169	160.8169	2054.84				
679	2015/04/01 08:49:31	160.8253	160.8253	2054.83				
680	2015/04/01 08:49:56	160.8322	160.8322	2054.82				
681	2015/04/01 08:50:26	160.8406	160.8406	2054.83				
682	2015/04/01 08:50:56	160.8489	160.8489	2054.79				
683	2015/04/01 08:51:26	160.8572	160.8572	2054.75				
684	2015/04/01 08:52:01	160.8669	160.8669	2054.75				
685	2015/04/01 08:52:31	160.8753	160.8753	2054.79				
686	2015/04/01 08:53:01	160.8836	160.8836	2054.75				
687	2015/04/01 08:53:31	160.8919	160.8919	2054.71				
688	2015/04/01 08:54:01	160.9003	160.9003	2054.75				
689	2015/04/01 08:54:31	160.9086	160.9086	2054.71				
690	2015/04/01 08:55:01	160.9169	160.9169	2054.70				
691	2015/04/01 08:55:36	160.9267	160.9267	2054.69				
692	2015/04/01 08:56:06	160.9350	160.9350	2054.68				
693	2015/04/01 08:56:36	160.9433	160.9433	2054.67				
694	2015/04/01 08:57:11	160.9531	160.9531	2054.63				
695	2015/04/01 08:57:41	160.9614	160.9614	2054.63				
696	2015/04/01 08:58:11	160.9697	160.9697	2054.60				
697	2015/04/01 08:58:46	160.9794	160.9794	2054.62				
698	2015/04/01 08:59:16	160.9878	160.9878	2054.57				
699	2015/04/01 08:59:51	160.9975	160.9975	2054.58				
700	2015/04/01 09:00:21	161.0058	161.0058	2054.58				
701	2015/04/01 09:00:56	161.0156	161.0156	2054.57				
702	2015/04/01 09:01:26	161.0239	161.0239	2054.54				
703	2015/04/01 09:02:01	161.0336	161.0336	2054.54				
704	2015/04/01 09:02:36	161.0433	161.0433	2054.52				
705	2015/04/01 09:03:06	161.0517	161.0517	2054.48				
706	2015/04/01 09:03:41	161.0614	161.0614	2054.49				
707	2015/04/01 09:04:16	161.0711	161.0711	2054.48				
708	2015/04/01 09:04:51	161.0808	161.0808	2054.49				
709	2015/04/01 09:05:21	161.0892	161.0892	2054.47				
710	2015/04/01 09:05:56	161.0989	161.0989	2054.46				
711	2015/04/01 09:06:31	161.1086	161.1086	2054.39				
712	2015/04/01 09:07:06	161.1183	161.1183	2054.42				
713	2015/04/01 09:07:41	161.1281	161.1281	2054.37				
714	2015/04/01 09:08:16	161.1378	161.1378	2054.39				
715	2015/04/01 09:08:51	161.1475	161.1475	2054.36				
716	2015/04/01 09:09:26	161.1572	161.1572	2054.37				
717	2015/04/01 09:10:01	161.1669	161.1669	2054.37				
718	2015/04/01 09:10:36	161.1767	161.1767	2054.34				
719	2015/04/01 09:11:11	161.1864	161.1864	2054.36				
720	2015/04/01 09:11:46	161.1961	161.1961	2054.30				
721	2015/04/01 09:12:21	161.2058	161.2058	2054.30				
722	2015/04/01 09:13:01	161.2169	161.2169	2054.30				
723	2015/04/01 09:13:36	161.2267	161.2267	2054.27				
724	2015/04/01 09:14:11	161.2364	161.2364	2054.28				
725	2015/04/01 09:14:51	161.2475	161.2475	2054.27				
726	2015/04/01 09:15:26	161.2572	161.2572	2054.21				
727	2015/04/01 09:16:01	161.2669	161.2669	2054.21				
728	2015/04/01 09:16:41	161.2781	161.2781	2054.19				

EXHIBIT 7

# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
729	2015/04/01 09:17:16	161.2878	161.2878	2054.20				
730	2015/04/01 09:17:56	161.2989	161.2989	2054.16				
731	2015/04/01 09:18:31	161.3086	161.3086	2054.14				
732	2015/04/01 09:19:11	161.3197	161.3197	2054.16				
733	2015/04/01 09:19:46	161.3294	161.3294	2054.13				
734	2015/04/01 09:20:26	161.3406	161.3406	2054.11				
735	2015/04/01 09:21:06	161.3517	161.3517	2054.15				
736	2015/04/01 09:21:41	161.3614	161.3614	2054.12				
737	2015/04/01 09:22:21	161.3725	161.3725	2054.07				
738	2015/04/01 09:23:01	161.3836	161.3836	2054.07				
739	2015/04/01 09:23:41	161.3947	161.3947	2054.09				
740	2015/04/01 09:24:16	161.4044	161.4044	2054.03				
741	2015/04/01 09:24:56	161.4156	161.4156	2054.01				
742	2015/04/01 09:25:36	161.4267	161.4267	2054.03				
743	2015/04/01 09:26:15	161.4375	161.4375	2053.96				
744	2015/04/01 09:26:55	161.4486	161.4486	2053.98				
745	2015/04/01 09:27:35	161.4597	161.4597	2053.96				
746	2015/04/01 09:28:15	161.4708	161.4708	2053.96				
747	2015/04/01 09:28:55	161.4819	161.4819	2053.93				
748	2015/04/01 09:29:41	161.4947	161.4947	2053.92				
749	2015/04/01 09:31:01	161.5169	161.5169	2053.91				
750	2015/04/01 09:31:41	161.5281	161.5281	2053.86				
751	2015/04/01 09:32:21	161.5392	161.5392	2053.88				
752	2015/04/01 09:33:06	161.5517	161.5517	2053.86				
753	2015/04/01 09:33:46	161.5628	161.5628	2053.85				
754	2015/04/01 09:34:26	161.5739	161.5739	2053.84				
755	2015/04/01 09:35:11	161.5864	161.5864	2053.85				
756	2015/04/01 09:35:51	161.5975	161.5975	2053.78				
757	2015/04/01 09:36:36	161.6100	161.6100	2053.80				
758	2015/04/01 09:37:16	161.6211	161.6211	2053.77				
759	2015/04/01 09:38:00	161.6333	161.6333	2053.78				
760	2015/04/01 09:38:45	161.6458	161.6458	2053.74				
761	2015/04/01 09:39:25	161.6569	161.6569	2053.71				
762	2015/04/01 09:40:11	161.6697	161.6697	2053.71				
763	2015/04/01 09:40:56	161.6822	161.6822	2053.72				
764	2015/04/01 09:41:40	161.6944	161.6944	2053.67				
765	2015/04/01 09:42:25	161.7069	161.7069	2053.65				
766	2015/04/01 09:43:05	161.7181	161.7181	2053.66				
767	2015/04/01 09:43:50	161.7306	161.7306	2053.66				
768	2015/04/01 09:44:35	161.7431	161.7431	2053.61				
769	2015/04/01 09:45:20	161.7556	161.7556	2053.64				
770	2015/04/01 09:46:06	161.7683	161.7683	2053.59				
771	2015/04/01 09:46:51	161.7808	161.7808	2053.58				
772	2015/04/01 09:47:40	161.7944	161.7944	2053.54				
773	2015/04/01 09:48:25	161.8069	161.8069	2053.57				
774	2015/04/01 09:49:10	161.8194	161.8194	2053.50				
775	2015/04/01 09:49:55	161.8319	161.8319	2053.54				
776	2015/04/01 09:50:41	161.8447	161.8447	2053.50				
777	2015/04/01 09:51:30	161.8583	161.8583	2053.50				
778	2015/04/01 09:52:15	161.8708	161.8708	2053.49				
779	2015/04/01 09:53:05	161.8847	161.8847	2053.48				
780	2015/04/01 09:53:50	161.8972	161.8972	2053.43				
781	2015/04/01 09:54:40	161.9111	161.9111	2053.43				
782	2015/04/01 09:55:25	161.9236	161.9236	2053.42				
783	2015/04/01 09:56:15	161.9375	161.9375	2053.41				
784	2015/04/01 09:57:00	161.9500	161.9500	2053.38				

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# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
785	2015/04/01 09:57:50	161.9639	161.9639	2053.38				
786	2015/04/01 09:58:40	161.9778	161.9778	2053.35				
787	2015/04/01 09:59:30	161.9917	161.9917	2053.33				
788	2015/04/01 10:00:15	162.0042	162.0042	2053.36				
789	2015/04/01 10:01:05	162.0181	162.0181	2053.31				
790	2015/04/01 10:01:55	162.0319	162.0319	2053.32				
791	2015/04/01 10:02:45	162.0458	162.0458	2053.27				
792	2015/04/01 10:03:35	162.0597	162.0597	2053.25				
793	2015/04/01 10:04:25	162.0736	162.0736	2053.23				
794	2015/04/01 10:05:15	162.0875	162.0875	2053.27				
795	2015/04/01 10:06:10	162.1028	162.1028	2053.20				
796	2015/04/01 10:07:00	162.1167	162.1167	2053.20				
797	2015/04/01 10:07:50	162.1306	162.1306	2053.17				
798	2015/04/01 10:08:40	162.1444	162.1444	2053.18				
799	2015/04/01 10:09:35	162.1597	162.1597	2053.15				
800	2015/04/01 10:10:25	162.1736	162.1736	2053.15				
801	2015/04/01 10:11:15	162.1875	162.1875	2053.14				
802	2015/04/01 10:12:10	162.2028	162.2028	2053.13				
803	2015/04/01 10:13:00	162.2167	162.2167	2053.11				
804	2015/04/01 10:13:55	162.2319	162.2319	2053.05				
805	2015/04/01 10:14:50	162.2472	162.2472	2053.09				
806	2015/04/01 10:15:40	162.2611	162.2611	2053.05				
807	2015/04/01 10:16:35	162.2764	162.2764	2053.01				
808	2015/04/01 10:17:30	162.2917	162.2917	2052.96				
809	2015/04/01 10:18:25	162.3069	162.3069	2052.97				
810	2015/04/01 10:19:15	162.3208	162.3208	2052.96				
811	2015/04/01 10:20:10	162.3361	162.3361	2053.00				
812	2015/04/01 10:21:05	162.3514	162.3514	2052.96				
813	2015/04/01 10:22:00	162.3667	162.3667	2052.94				
814	2015/04/01 10:22:55	162.3819	162.3819	2052.93				
815	2015/04/01 10:23:55	162.3986	162.3986	2052.92				
816	2015/04/01 10:24:50	162.4139	162.4139	2052.85				
817	2015/04/01 10:25:45	162.4292	162.4292	2052.85				
818	2015/04/01 10:26:40	162.4444	162.4444	2052.83				
819	2015/04/01 10:27:40	162.4611	162.4611	2052.82				
820	2015/04/01 10:28:35	162.4764	162.4764	2052.77				
821	2015/04/01 10:29:30	162.4917	162.4917	2052.79				
822	2015/04/01 10:30:30	162.5083	162.5083	2052.76				
823	2015/04/01 10:31:25	162.5236	162.5236	2052.76				
824	2015/04/01 10:32:25	162.5403	162.5403	2052.78				
825	2015/04/01 10:33:25	162.5569	162.5569	2052.72				
826	2015/04/01 10:34:20	162.5722	162.5722	2052.71				
827	2015/04/01 10:35:20	162.5889	162.5889	2052.70				
828	2015/04/01 10:36:20	162.6056	162.6056	2052.68				
829	2015/04/01 10:37:20	162.6222	162.6222	2052.64				
830	2015/04/01 10:38:20	162.6389	162.6389	2052.66				
831	2015/04/01 10:39:20	162.6556	162.6556	2052.62				
832	2015/04/01 10:40:20	162.6722	162.6722	2052.61				
833	2015/04/01 10:41:20	162.6889	162.6889	2052.61				
834	2015/04/01 10:42:20	162.7056	162.7056	2052.57				
835	2015/04/01 10:43:20	162.7222	162.7222	2052.57				
836	2015/04/01 10:44:20	162.7389	162.7389	2052.57				
837	2015/04/01 10:45:25	162.7569	162.7569	2052.50				
838	2015/04/01 10:46:25	162.7736	162.7736	2052.51				
839	2015/04/01 10:47:25	162.7903	162.7903	2052.49				
840	2015/04/01 10:48:30	162.8083	162.8083	2052.47				

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# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
841	2015/04/01 10:49:30	162.8250	162.8250	2052.44				
842	2015/04/01 10:50:35	162.8431	162.8431	2052.41				
843	2015/04/01 10:51:40	162.8611	162.8611	2052.38				
844	2015/04/01 10:52:40	162.8778	162.8778	2052.39				
845	2015/04/01 10:53:45	162.8958	162.8958	2052.36				
846	2015/04/01 10:54:50	162.9139	162.9139	2052.34				
847	2015/04/01 10:55:55	162.9319	162.9319	2052.30				
848	2015/04/01 10:57:00	162.9500	162.9500	2052.31				
849	2015/04/01 10:58:05	162.9681	162.9681	2052.32				
850	2015/04/01 10:59:10	162.9861	162.9861	2052.29				
851	2015/04/01 11:00:15	163.0042	163.0042	2052.28				
852	2015/04/01 11:01:20	163.0222	163.0222	2052.26				
853	2015/04/01 11:02:30	163.0417	163.0417	2052.23				
854	2015/04/01 11:03:35	163.0597	163.0597	2052.24				
855	2015/04/01 11:04:40	163.0778	163.0778	2052.20				
856	2015/04/01 11:05:50	163.0972	163.0972	2052.17				
857	2015/04/01 11:06:55	163.1153	163.1153	2052.14				
858	2015/04/01 11:08:05	163.1347	163.1347	2052.13				
859	2015/04/01 11:09:10	163.1528	163.1528	2052.14				
860	2015/04/01 11:10:20	163.1722	163.1722	2052.09				
861	2015/04/01 11:11:30	163.1917	163.1917	2052.10				
862	2015/04/01 11:12:40	163.2111	163.2111	2052.03				
863	2015/04/01 11:13:45	163.2292	163.2292	2052.04				
864	2015/04/01 11:14:55	163.2486	163.2486	2052.03				
865	2015/04/01 11:16:05	163.2681	163.2681	2052.04				
866	2015/04/01 11:17:15	163.2875	163.2875	2052.02				
867	2015/04/01 11:18:30	163.3083	163.3083	2051.99				
868	2015/04/01 11:19:40	163.3278	163.3278	2051.91				
869	2015/04/01 11:20:50	163.3472	163.3472	2051.95				
870	2015/04/01 11:22:00	163.3667	163.3667	2051.93				
871	2015/04/01 11:23:15	163.3875	163.3875	2051.89				
872	2015/04/01 11:24:25	163.4069	163.4069	2051.87				
873	2015/04/01 11:25:40	163.4278	163.4278	2051.88				
874	2015/04/01 11:26:50	163.4472	163.4472	2051.84				
875	2015/04/01 11:28:05	163.4681	163.4681	2051.82				
876	2015/04/01 11:29:20	163.4889	163.4889	2051.78				
877	2015/04/01 11:30:35	163.5097	163.5097	2051.79				
878	2015/04/01 11:31:45	163.5292	163.5292	2051.76				
879	2015/04/01 11:33:00	163.5500	163.5500	2051.73				
880	2015/04/01 11:34:15	163.5708	163.5708	2051.71				
881	2015/04/01 11:35:30	163.5917	163.5917	2051.71				
882	2015/04/01 11:36:50	163.6139	163.6139	2051.68				
883	2015/04/01 11:38:05	163.6347	163.6347	2051.64				
884	2015/04/01 11:39:20	163.6556	163.6556	2051.66				
885	2015/04/01 11:40:35	163.6764	163.6764	2051.59				
886	2015/04/01 11:41:55	163.6986	163.6986	2051.59				
887	2015/04/01 11:43:10	163.7194	163.7194	2051.57				
888	2015/04/01 11:44:30	163.7417	163.7417	2051.56				
889	2015/04/01 11:45:50	163.7639	163.7639	2051.58				
890	2015/04/01 11:47:05	163.7847	163.7847	2051.48				
891	2015/04/01 11:48:25	163.8069	163.8069	2051.50				
892	2015/04/01 11:49:45	163.8292	163.8292	2051.52				
893	2015/04/01 11:51:05	163.8514	163.8514	2051.44				
894	2015/04/01 11:52:25	163.8736	163.8736	2051.43				
895	2015/04/01 11:53:45	163.8958	163.8958	2051.46				
896	2015/04/01 11:55:05	163.9181	163.9181	2051.41				

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# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
897	2015/04/01 11:56:25	163.9403	163.9403	2051.36				
898	2015/04/01 11:57:50	163.9639	163.9639	2051.38				
899	2015/04/01 11:59:10	163.9861	163.9861	2051.35				
900	2015/04/01 12:00:30	164.0083	164.0083	2051.34				
901	2015/04/01 12:01:55	164.0319	164.0319	2051.30				
902	2015/04/01 12:03:20	164.0556	164.0556	2051.27				
903	2015/04/01 12:04:40	164.0778	164.0778	2051.26				
904	2015/04/01 12:06:05	164.1014	164.1014	2051.25				
905	2015/04/01 12:07:30	164.1250	164.1250	2051.20				
906	2015/04/01 12:08:55	164.1486	164.1486	2051.20				
907	2015/04/01 12:10:20	164.1722	164.1722	2051.18				
908	2015/04/01 12:11:45	164.1958	164.1958	2051.15				
909	2015/04/01 12:13:10	164.2194	164.2194	2051.15				
910	2015/04/01 12:14:35	164.2431	164.2431	2051.11				
911	2015/04/01 12:16:05	164.2681	164.2681	2051.13				
912	2015/04/01 12:17:30	164.2917	164.2917	2051.08				
913	2015/04/01 12:18:55	164.3153	164.3153	2051.04				
914	2015/04/01 12:20:25	164.3403	164.3403	2051.02				
915	2015/04/01 12:21:55	164.3653	164.3653	2050.99				
916	2015/04/01 12:23:20	164.3889	164.3889	2050.98				
917	2015/04/01 12:24:50	164.4139	164.4139	2050.97				
918	2015/04/01 12:26:20	164.4389	164.4389	2050.96				
919	2015/04/01 12:27:50	164.4639	164.4639	2050.91				
920	2015/04/01 12:29:20	164.4889	164.4889	2050.89				
921	2015/04/01 12:30:50	164.5139	164.5139	2050.85				
922	2015/04/01 12:32:20	164.5389	164.5389	2050.86				
923	2015/04/01 12:33:55	164.5653	164.5653	2050.86				
924	2015/04/01 12:35:25	164.5903	164.5903	2050.82				
925	2015/04/01 12:36:55	164.6153	164.6153	2050.81				
926	2015/04/01 12:38:30	164.6417	164.6417	2050.77				
927	2015/04/01 12:40:05	164.6681	164.6681	2050.76				
928	2015/04/01 12:41:35	164.6931	164.6931	2050.71				
929	2015/04/01 12:43:10	164.7194	164.7194	2050.68				
930	2015/04/01 12:44:45	164.7458	164.7458	2050.67				
931	2015/04/01 12:46:20	164.7722	164.7722	2050.65				
932	2015/04/01 12:47:55	164.7986	164.7986	2050.64				
933	2015/04/01 12:49:30	164.8250	164.8250	2050.64				
934	2015/04/01 12:51:05	164.8514	164.8514	2050.57				
935	2015/04/01 12:52:45	164.8792	164.8792	2050.55				
936	2015/04/01 12:54:20	164.9056	164.9056	2050.55				
937	2015/04/01 12:56:00	164.9333	164.9333	2050.52				
938	2015/04/01 12:57:35	164.9597	164.9597	2050.50				
939	2015/04/01 12:59:15	164.9875	164.9875	2050.46				
940	2015/04/01 13:00:55	165.0153	165.0153	2050.42				
941	2015/04/01 13:02:35	165.0431	165.0431	2050.44				
942	2015/04/01 13:04:15	165.0708	165.0708	2050.44				
943	2015/04/01 13:05:55	165.0986	165.0986	2050.39				
944	2015/04/01 13:07:35	165.1264	165.1264	2050.38				
945	2015/04/01 13:09:15	165.1542	165.1542	2050.33				
946	2015/04/01 13:10:55	165.1819	165.1819	2050.30				
947	2015/04/01 13:12:40	165.2111	165.2111	2050.33				
948	2015/04/01 13:14:20	165.2389	165.2389	2050.27				
949	2015/04/01 13:16:05	165.2681	165.2681	2050.27				
950	2015/04/01 13:17:50	165.2972	165.2972	2050.23				
951	2015/04/01 13:19:31	165.3253	165.3253	2050.19				
952	2015/04/01 13:21:15	165.3542	165.3542	2050.18				

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# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
953	2015/04/01 13:23:00	165.3833	165.3833	2050.17				
954	2015/04/01 13:24:45	165.4125	165.4125	2050.14				
955	2015/04/01 13:26:31	165.4419	165.4419	2050.11				
956	2015/04/01 13:28:21	165.4725	165.4725	2050.13				
957	2015/04/01 13:30:05	165.5014	165.5014	2050.04				
958	2015/04/01 13:31:55	165.5319	165.5319	2050.07				
959	2015/04/01 13:33:41	165.5614	165.5614	2050.02				
960	2015/04/01 13:35:31	165.5919	165.5919	2049.99				
961	2015/04/01 13:37:21	165.6225	165.6225	2049.98				
962	2015/04/01 13:39:11	165.6531	165.6531	2049.96				
963	2015/04/01 13:41:01	165.6836	165.6836	2049.91				
964	2015/04/01 13:42:51	165.7142	165.7142	2049.89				
965	2015/04/01 13:44:41	165.7447	165.7447	2049.90				
966	2015/04/01 13:46:31	165.7753	165.7753	2049.89				
967	2015/04/01 13:48:26	165.8072	165.8072	2049.86				
968	2015/04/01 13:50:16	165.8378	165.8378	2049.84				
969	2015/04/01 13:52:11	165.8697	165.8697	2049.82				
970	2015/04/01 13:54:01	165.9003	165.9003	2049.77				
971	2015/04/01 13:55:56	165.9322	165.9322	2049.75				
972	2015/04/01 13:57:51	165.9642	165.9642	2049.73				
973	2015/04/01 13:59:46	165.9961	165.9961	2049.68				
974	2015/04/01 14:01:41	166.0281	166.0281	2049.66				
975	2015/04/01 14:03:41	166.0614	166.0614	2049.64				
976	2015/04/01 14:05:36	166.0933	166.0933	2049.61				
977	2015/04/01 14:07:31	166.1253	166.1253	2049.57				
978	2015/04/01 14:09:31	166.1586	166.1586	2049.54				
979	2015/04/01 14:11:31	166.1919	166.1919	2049.57				
980	2015/04/01 14:13:30	166.2250	166.2250	2049.50				
981	2015/04/01 14:15:26	166.2572	166.2572	2049.53				
982	2015/04/01 14:17:26	166.2906	166.2906	2049.46				
983	2015/04/01 14:19:30	166.3250	166.3250	2049.46				
984	2015/04/01 14:21:30	166.3583	166.3583	2049.44				
985	2015/04/01 14:23:30	166.3917	166.3917	2049.40				
986	2015/04/01 14:25:31	166.4253	166.4253	2049.36				
987	2015/04/01 14:27:36	166.4600	166.4600	2049.35				
988	2015/04/01 14:29:41	166.4947	166.4947	2049.30				
989	2015/04/01 14:31:41	166.5281	166.5281	2049.31				
990	2015/04/01 14:33:46	166.5628	166.5628	2049.28				
991	2015/04/01 14:35:55	166.5986	166.5986	2049.21				
992	2015/04/01 14:38:00	166.6333	166.6333	2049.24				
993	2015/04/01 14:40:05	166.6681	166.6681	2049.18				
994	2015/04/01 14:42:11	166.7031	166.7031	2049.20				
995	2015/04/01 14:44:21	166.7392	166.7392	2049.18				
996	2015/04/01 14:46:25	166.7736	166.7736	2049.13				
997	2015/04/01 14:48:35	166.8097	166.8097	2049.11				
998	2015/04/01 14:50:45	166.8458	166.8458	2049.07				
999	2015/04/01 14:52:55	166.8819	166.8819	2049.04				
1000	2015/04/01 14:55:05	166.9181	166.9181	2049.01				
1001	2015/04/01 14:57:15	166.9542	166.9542	2049.03				
1002	2015/04/01 14:59:25	166.9903	166.9903	2048.98				
1003	2015/04/01 15:01:40	167.0278	167.0278	2048.93				
1004	2015/04/01 15:03:50	167.0639	167.0639	2048.90				
1005	2015/04/01 15:06:05	167.1014	167.1014	2048.90				
1006	2015/04/01 15:08:20	167.1389	167.1389	2048.85				
1007	2015/04/01 15:10:35	167.1764	167.1764	2048.84				
1008	2015/04/01 15:12:50	167.2139	167.2139	2048.81				

EXHIBIT 7

# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
1009	2015/04/01 15:15:05	167.2514	167.2514	2048.78				
1010	2015/04/01 15:17:20	167.2889	167.2889	2048.77				
1011	2015/04/01 15:19:40	167.3278	167.3278	2048.77				
1012	2015/04/01 15:21:55	167.3653	167.3653	2048.70				
1013	2015/04/01 15:24:15	167.4042	167.4042	2048.66				
1014	2015/04/01 15:26:35	167.4431	167.4431	2048.67				
1015	2015/04/01 15:28:55	167.4819	167.4819	2048.66				
1016	2015/04/01 15:31:15	167.5208	167.5208	2048.60				
1017	2015/04/01 15:33:35	167.5597	167.5597	2048.57				
1018	2015/04/01 15:35:55	167.5986	167.5986	2048.56				
1019	2015/04/01 15:38:20	167.6389	167.6389	2048.51				
1020	2015/04/01 15:40:40	167.6778	167.6778	2048.48				
1021	2015/04/01 15:43:05	167.7181	167.7181	2048.46				
1022	2015/04/01 15:45:30	167.7583	167.7583	2048.41				
1023	2015/04/01 15:47:55	167.7986	167.7986	2048.39				
1024	2015/04/01 15:50:20	167.8389	167.8389	2048.39				
1025	2015/04/01 15:52:45	167.8792	167.8792	2048.38				
1026	2015/04/01 15:55:15	167.9208	167.9208	2048.36				
1027	2015/04/01 15:57:40	167.9611	167.9611	2048.31				
1028	2015/04/01 16:00:10	168.0028	168.0028	2048.31				
1029	2015/04/01 16:02:40	168.0444	168.0444	2048.30				
1030	2015/04/01 16:05:10	168.0861	168.0861	2048.26				
1031	2015/04/01 16:07:40	168.1278	168.1278	2048.24				
1032	2015/04/01 16:10:10	168.1694	168.1694	2048.20				
1033	2015/04/01 16:12:40	168.2111	168.2111	2048.17				
1034	2015/04/01 16:15:15	168.2542	168.2542	2048.15				
1035	2015/04/01 16:17:50	168.2972	168.2972	2048.08				
1036	2015/04/01 16:20:20	168.3389	168.3389	2048.10				
1037	2015/04/01 16:22:55	168.3819	168.3819	2048.04				
1038	2015/04/01 16:25:30	168.4250	168.4250	2048.05				
1039	2015/04/01 16:28:10	168.4694	168.4694	2047.99				
1040	2015/04/01 16:30:45	168.5125	168.5125	2047.98				
1041	2015/04/01 16:33:20	168.5556	168.5556	2047.96				
1042	2015/04/01 16:36:00	168.6000	168.6000	2047.95				
1043	2015/04/01 16:38:40	168.6444	168.6444	2047.89				
1044	2015/04/01 16:41:20	168.6889	168.6889	2047.87				
1045	2015/04/01 16:44:00	168.7333	168.7333	2047.84				
1046	2015/04/01 16:46:40	168.7778	168.7778	2047.78				
1047	2015/04/01 16:49:20	168.8222	168.8222	2047.76				
1048	2015/04/01 16:52:05	168.8681	168.8681	2047.77				
1049	2015/04/01 16:54:50	168.9139	168.9139	2047.73				
1050	2015/04/01 16:57:30	168.9583	168.9583	2047.70				
1051	2015/04/01 17:00:15	169.0042	169.0042	2047.66				
1052	2015/04/01 17:03:05	169.0514	169.0514	2047.62				
1053	2015/04/01 17:05:50	169.0972	169.0972	2047.62				
1054	2015/04/01 17:08:35	169.1431	169.1431	2047.62				
1055	2015/04/01 17:11:25	169.1903	169.1903	2047.57				
1056	2015/04/01 17:14:15	169.2375	169.2375	2047.54				
1057	2015/04/01 17:17:05	169.2847	169.2847	2047.50				
1058	2015/04/01 17:19:55	169.3319	169.3319	2047.46				
1059	2015/04/01 17:22:45	169.3792	169.3792	2047.44				
1060	2015/04/01 17:25:35	169.4264	169.4264	2047.38				
1061	2015/04/01 17:28:30	169.4750	169.4750	2047.39				
1062	2015/04/01 17:31:20	169.5222	169.5222	2047.32				
1063	2015/04/01 17:34:15	169.5708	169.5708	2047.32				
1064	2015/04/01 17:37:10	169.6194	169.6194	2047.28				

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# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
1065	2015/04/01 17:40:05	169.6681	169.6681	2047.28				
1066	2015/04/01 17:43:05	169.7181	169.7181	2047.27				
1067	2015/04/01 17:46:00	169.7667	169.7667	2047.23				
1068	2015/04/01 17:49:00	169.8167	169.8167	2047.21				
1069	2015/04/01 17:52:00	169.8667	169.8667	2047.16				
1070	2015/04/01 17:55:01	169.9169	169.9169	2047.11				
1071	2015/04/01 17:58:00	169.9667	169.9667	2047.13				
1072	2015/04/01 18:01:00	170.0167	170.0167	2047.08				
1073	2015/04/01 18:04:05	170.0681	170.0681	2047.07				
1074	2015/04/01 18:07:06	170.1183	170.1183	2047.02				
1075	2015/04/01 18:10:11	170.1697	170.1697	2047.02				
1076	2015/04/01 18:13:15	170.2208	170.2208	2046.98				
1077	2015/04/01 18:16:20	170.2722	170.2722	2046.95				
1078	2015/04/01 18:19:31	170.3253	170.3253	2046.92				
1079	2015/04/01 18:22:36	170.3767	170.3767	2046.88				
1080	2015/04/01 18:25:46	170.4294	170.4294	2046.87				
1081	2015/04/01 18:28:56	170.4822	170.4822	2046.80				
1082	2015/04/01 18:32:06	170.5350	170.5350	2046.80				
1083	2015/04/01 18:35:16	170.5878	170.5878	2046.77				
1084	2015/04/01 18:38:26	170.6406	170.6406	2046.71				
1085	2015/04/01 18:41:41	170.6947	170.6947	2046.71				
1086	2015/04/01 18:44:56	170.7489	170.7489	2046.70				
1087	2015/04/01 18:48:11	170.8031	170.8031	2046.64				
1088	2015/04/01 18:51:26	170.8572	170.8572	2046.58				
1089	2015/04/01 18:54:40	170.9111	170.9111	2046.59				
1090	2015/04/01 18:58:01	170.9669	170.9669	2046.57				
1091	2015/04/01 19:04:35	171.0764	171.0764	2046.51				
1092	2015/04/01 19:07:55	171.1319	171.1319	2046.47				
1093	2015/04/01 19:11:15	171.1875	171.1875	2046.45				
1094	2015/04/01 19:14:40	171.2444	171.2444	2046.43				
1095	2015/04/01 19:18:00	171.3000	171.3000	2046.38				
1096	2015/04/01 19:21:25	171.3569	171.3569	2046.36				
1097	2015/04/01 19:24:50	171.4139	171.4139	2046.33				
1098	2015/04/01 19:28:15	171.4708	171.4708	2046.27				
1099	2015/04/01 19:31:40	171.5278	171.5278	2046.26				
1100	2015/04/01 19:35:10	171.5861	171.5861	2046.24				
1101	2015/04/01 19:38:40	171.6444	171.6444	2046.21				
1102	2015/04/01 19:42:10	171.7028	171.7028	2046.14				
1103	2015/04/01 19:45:41	171.7614	171.7614	2046.17				
1104	2015/04/01 19:52:40	171.8778	171.8778	2046.11				
1105	2015/04/01 19:56:15	171.9375	171.9375	2046.05				
1106	2015/04/01 19:59:50	171.9972	171.9972	2046.02				
1107	2015/04/01 20:03:25	172.0569	172.0569	2046.01				
1108	2015/04/01 20:07:00	172.1167	172.1167	2045.98				
1109	2015/04/01 20:10:40	172.1778	172.1778	2045.93				
1110	2015/04/01 20:14:20	172.2389	172.2389	2045.93				
1111	2015/04/01 20:17:55	172.2986	172.2986	2045.87				
1112	2015/04/01 20:21:35	172.3597	172.3597	2045.84				
1113	2015/04/01 20:25:20	172.4222	172.4222	2045.82				
1114	2015/04/01 20:29:00	172.4833	172.4833	2045.79				
1115	2015/04/01 20:32:45	172.5458	172.5458	2045.77				
1116	2015/04/01 20:36:30	172.6083	172.6083	2045.73				
1117	2015/04/01 20:40:15	172.6708	172.6708	2045.72				
1118	2015/04/01 20:44:00	172.7333	172.7333	2045.66				
1119	2015/04/01 20:47:50	172.7972	172.7972	2045.66				
1120	2015/04/01 20:51:40	172.8611	172.8611	2045.61				

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# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
1121	2015/04/01 20:55:25	172.9236	172.9236	2045.57				
1122	2015/04/01 20:59:20	172.9889	172.9889	2045.55				
1123	2015/04/01 21:03:10	173.0528	173.0528	2045.50				
1124	2015/04/01 21:07:05	173.1181	173.1181	2045.49				
1125	2015/04/01 21:10:55	173.1819	173.1819	2045.50				
1126	2015/04/01 21:14:50	173.2472	173.2472	2045.43				
1127	2015/04/01 21:18:50	173.3139	173.3139	2045.40				
1128	2015/04/01 21:22:45	173.3792	173.3792	2045.42				
1129	2015/04/01 21:26:45	173.4458	173.4458	2045.34				
1130	2015/04/01 21:30:45	173.5125	173.5125	2045.30				
1131	2015/04/01 21:34:45	173.5792	173.5792	2045.26				
1132	2015/04/01 21:38:45	173.6458	173.6458	2045.21				
1133	2015/04/01 21:42:50	173.7139	173.7139	2045.21				
1134	2015/04/01 21:46:50	173.7806	173.7806	2045.16				
1135	2015/04/01 21:50:55	173.8486	173.8486	2045.13				
1136	2015/04/01 21:55:05	173.9181	173.9181	2045.11				
1137	2015/04/01 21:59:10	173.9861	173.9861	2045.10				
1138	2015/04/01 22:03:20	174.0556	174.0556	2045.04				
1139	2015/04/01 22:07:30	174.1250	174.1250	2045.04				
1140	2015/04/01 22:11:40	174.1944	174.1944	2045.00				
1141	2015/04/01 22:15:50	174.2639	174.2639	2044.99				
1142	2015/04/01 22:20:05	174.3347	174.3347	2044.94				
1143	2015/04/01 22:24:20	174.4056	174.4056	2044.91				
1144	2015/04/01 22:28:35	174.4764	174.4764	2044.87				
1145	2015/04/01 22:32:50	174.5472	174.5472	2044.84				
1146	2015/04/01 22:37:10	174.6194	174.6194	2044.82				
1147	2015/04/01 22:41:25	174.6903	174.6903	2044.80				
1148	2015/04/01 22:45:45	174.7625	174.7625	2044.75				
1149	2015/04/01 22:50:10	174.8361	174.8361	2044.69				
1150	2015/04/01 22:54:30	174.9083	174.9083	2044.69				
1151	2015/04/01 22:58:55	174.9819	174.9819	2044.66				
1152	2015/04/01 23:03:20	175.0556	175.0556	2044.62				
1153	2015/04/01 23:07:45	175.1292	175.1292	2044.59				
1154	2015/04/01 23:12:15	175.2042	175.2042	2044.54				
1155	2015/04/01 23:16:41	175.2781	175.2781	2044.53				
1156	2015/04/01 23:21:10	175.3528	175.3528	2044.52				
1157	2015/04/01 23:25:46	175.4294	175.4294	2044.48				
1158	2015/04/01 23:34:51	175.5808	175.5808	2044.39				
1159	2015/04/01 23:39:26	175.6572	175.6572	2044.38				
1160	2015/04/01 23:44:01	175.7336	175.7336	2044.35				
1161	2015/04/01 23:48:36	175.8100	175.8100	2044.32				
1162	2015/04/01 23:53:16	175.8878	175.8878	2044.29				
1163	2015/04/01 23:57:56	175.9656	175.9656	2044.25				
1164	2015/04/02 00:02:36	176.0433	176.0433	2044.23				
1165	2015/04/02 00:07:21	176.1225	176.1225	2044.19				
1166	2015/04/02 00:12:05	176.2014	176.2014	2044.16				
1167	2015/04/02 00:16:51	176.2808	176.2808	2044.13				
1168	2015/04/02 00:21:36	176.3600	176.3600	2044.11				
1169	2015/04/02 00:26:25	176.4403	176.4403	2044.08				
1170	2015/04/02 00:31:15	176.5208	176.5208	2044.02				
1171	2015/04/02 00:36:05	176.6014	176.6014	2043.98				
1172	2015/04/02 00:40:56	176.6822	176.6822	2043.96				
1173	2015/04/02 00:45:50	176.7639	176.7639	2043.94				
1174	2015/04/02 00:50:45	176.8458	176.8458	2043.92				
1175	2015/04/02 00:55:40	176.9278	176.9278	2043.87				
1176	2015/04/02 01:00:35	177.0097	177.0097	2043.85				

# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
1177	2015/04/02 01:05:35	177.0931	177.0931	2043.79				
1178	2015/04/02 01:10:35	177.1764	177.1764	2043.79				
1179	2015/04/02 01:15:35	177.2597	177.2597	2043.75				
1180	2015/04/02 01:20:40	177.3444	177.3444	2043.73				
1181	2015/04/02 01:25:45	177.4292	177.4292	2043.72				
1182	2015/04/02 01:30:50	177.5139	177.5139	2043.69				
1183	2015/04/02 01:35:55	177.5986	177.5986	2043.59				
1184	2015/04/02 01:41:05	177.6847	177.6847	2043.60				
1185	2015/04/02 01:46:15	177.7708	177.7708	2043.54				
1186	2015/04/02 01:51:25	177.8569	177.8569	2043.55				
1187	2015/04/02 01:56:40	177.9444	177.9444	2043.52				
1188	2015/04/02 02:01:55	178.0319	178.0319	2043.44				
1189	2015/04/02 02:07:10	178.1194	178.1194	2043.46				
1190	2015/04/02 02:12:25	178.2069	178.2069	2043.41				
1191	2015/04/02 02:17:45	178.2958	178.2958	2043.35				
1192	2015/04/02 02:23:05	178.3847	178.3847	2043.34				
1193	2015/04/02 02:28:25	178.4736	178.4736	2043.31				
1194	2015/04/02 02:33:50	178.5639	178.5639	2043.29				
1195	2015/04/02 02:39:15	178.6542	178.6542	2043.21				
1196	2015/04/02 02:44:40	178.7444	178.7444	2043.23				
1197	2015/04/02 02:50:10	178.8361	178.8361	2043.19				
1198	2015/04/02 02:55:35	178.9264	178.9264	2043.13				
1199	2015/04/02 03:01:05	179.0181	179.0181	2043.14				
1200	2015/04/02 03:06:40	179.1111	179.1111	2043.09				
1201	2015/04/02 03:12:15	179.2042	179.2042	2043.05				
1202	2015/04/02 03:17:50	179.2972	179.2972	2043.02				
1203	2015/04/02 03:23:25	179.3903	179.3903	2042.97				
1204	2015/04/02 03:29:05	179.4847	179.4847	2042.99				
1205	2015/04/02 03:34:45	179.5792	179.5792	2042.94				
1206	2015/04/02 03:40:25	179.6736	179.6736	2042.90				
1207	2015/04/02 03:46:05	179.7681	179.7681	2042.84				
1208	2015/04/02 03:51:50	179.8639	179.8639	2042.85				
1209	2015/04/02 03:57:40	179.9611	179.9611	2042.83				
1210	2015/04/02 04:03:25	180.0569	180.0569	2042.80				
1211	2015/04/02 04:09:15	180.1542	180.1542	2042.72				
1212	2015/04/02 04:15:05	180.2514	180.2514	2042.70				
1213	2015/04/02 04:21:01	180.3503	180.3503	2042.70				
1214	2015/04/02 04:32:46	180.5461	180.5461	2042.62				
1215	2015/04/02 04:38:46	180.6461	180.6461	2042.60				
1216	2015/04/02 04:44:46	180.7461	180.7461	2042.56				
1217	2015/04/02 04:50:46	180.8461	180.8461	2042.53				
1218	2015/04/02 04:56:46	180.9461	180.9461	2042.54				
1219	2015/04/02 05:02:51	181.0475	181.0475	2042.49				
1220	2015/04/02 05:08:56	181.1489	181.1489	2042.43				
1221	2015/04/02 05:15:06	181.2517	181.2517	2042.42				
1222	2015/04/02 05:21:16	181.3544	181.3544	2042.38				
1223	2015/04/02 05:27:26	181.4572	181.4572	2042.36				
1224	2015/04/02 05:33:36	181.5600	181.5600	2042.33				
1225	2015/04/02 05:39:50	181.6639	181.6639	2042.29				
1226	2015/04/02 05:46:10	181.7694	181.7694	2042.21				
1227	2015/04/02 05:52:25	181.8736	181.8736	2042.20				
1228	2015/04/02 05:58:45	181.9792	181.9792	2042.18				
1229	2015/04/02 06:05:05	182.0847	182.0847	2042.13				
1230	2015/04/02 06:11:30	182.1917	182.1917	2042.14				
1231	2015/04/02 06:17:55	182.2986	182.2986	2042.08				
1232	2015/04/02 06:24:20	182.4056	182.4056	2042.07				

# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
1233	2015/04/02 06:30:50	182.5139	182.5139	2042.01				
1234	2015/04/02 06:37:20	182.6222	182.6222	2041.98				
1235	2015/04/02 06:43:50	182.7306	182.7306	2041.96				
1236	2015/04/02 06:50:25	182.8403	182.8403	2041.93				
1237	2015/04/02 06:57:00	182.9500	182.9500	2041.88				
1238	2015/04/02 07:03:40	183.0611	183.0611	2041.83				
1239	2015/04/02 07:10:15	183.1708	183.1708	2041.82				
1240	2015/04/02 07:17:00	183.2833	183.2833	2041.79				
1241	2015/04/02 07:23:40	183.3944	183.3944	2041.79				
1242	2015/04/02 07:30:25	183.5069	183.5069	2041.77				
1243	2015/04/02 07:37:15	183.6208	183.6208	2041.71				
1244	2015/04/02 07:44:00	183.7333	183.7333	2041.68				
1245	2015/04/02 07:50:50	183.8472	183.8472	2041.63				
1246	2015/04/02 07:57:45	183.9625	183.9625	2041.63				
1247	2015/04/02 08:04:40	184.0778	184.0778	2041.60				
1248	2015/04/02 08:11:35	184.1931	184.1931	2041.54				
1249	2015/04/02 08:18:30	184.3083	184.3083	2041.54				
1250	2015/04/02 08:25:30	184.4250	184.4250	2041.48				
1251	2015/04/02 08:32:35	184.5431	184.5431	2041.45				
1252	2015/04/02 08:39:40	184.6611	184.6611	2041.42				
1253	2015/04/02 08:46:45	184.7792	184.7792	2041.38				
1254	2015/04/02 08:53:50	184.8972	184.8972	2041.37				
1255	2015/04/02 09:01:00	185.0167	185.0167	2041.32				
1256	2015/04/02 09:01:40	185.0278	185.0278	2041.34				
1257	2015/04/02 09:08:16	185.1377	185.1377	2041.30				
1258	2015/04/02 09:15:31	185.2586	185.2586	2041.28				
1259	2015/04/02 09:22:46	185.3794	185.3794	2041.25				
1260	2015/04/02 09:30:06	185.5016	185.5016	2041.20				
1261	2015/04/02 09:37:27	185.6241	185.6241	2041.18				
1262	2015/04/02 09:44:47	185.7463	185.7463	2041.15				
1263	2015/04/02 09:52:12	185.8700	185.8700	2041.13				
1264	2015/04/02 09:59:37	185.9936	185.9936	2041.09				
1265	2015/04/02 10:07:07	186.1186	186.1186	2041.07				
1266	2015/04/02 10:14:37	186.2436	186.2436	2041.00				
1267	2015/04/02 10:22:07	186.3686	186.3686	2041.01				
1268	2015/04/02 10:29:42	186.4950	186.4950	2040.95				
1269	2015/04/02 10:37:17	186.6213	186.6213	2040.94				
1270	2015/04/02 10:44:56	186.7488	186.7488	2040.91				
1271	2015/04/02 10:52:37	186.8769	186.8769	2040.86				
1272	2015/04/02 11:00:21	187.0058	187.0058	2040.86				
1273	2015/04/02 11:08:06	187.1350	187.1350	2040.78				
1274	2015/04/02 11:15:51	187.2641	187.2641	2040.76				
1275	2015/04/02 11:23:41	187.3947	187.3947	2040.75				
1276	2015/04/02 11:31:31	187.5252	187.5252	2040.72				
1277	2015/04/02 11:39:26	187.6572	187.6572	2040.66				
1278	2015/04/02 11:47:21	187.7891	187.7891	2040.65				
1279	2015/04/02 11:55:16	187.9211	187.9211	2040.60				
1280	2015/04/02 12:03:16	188.0544	188.0544	2040.57				
1281	2015/04/02 12:11:21	188.1891	188.1891	2040.57				
1282	2015/04/02 12:19:26	188.3238	188.3238	2040.54				
1283	2015/04/02 12:27:31	188.4586	188.4586	2040.50				
1284	2015/04/02 12:35:41	188.5947	188.5947	2040.47				
1285	2015/04/02 12:43:51	188.7308	188.7308	2040.45				
1286	2015/04/02 12:52:06	188.8683	188.8683	2040.37				
1287	2015/04/02 13:00:21	189.0058	189.0058	2040.39				
1288	2015/04/02 13:08:36	189.1433	189.1433	2040.34				

EXHIBIT 7

# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
1289	2015/04/02 13:16:56	189.2822	189.2822	2040.33				
1290	2015/04/02 13:25:21	189.4225	189.4225	2040.26				
1291	2015/04/02 13:33:46	189.5627	189.5627	2040.23				
1292	2015/04/02 13:42:11	189.7030	189.7030	2040.21				
1293	2015/04/02 13:50:41	189.8447	189.8447	2040.18				
1294	2015/04/02 13:59:16	189.9877	189.9877	2040.16				
1295	2015/04/02 14:07:51	190.1308	190.1308	2040.14				
1296	2015/04/02 14:16:26	190.2738	190.2738	2040.11				
1297	2015/04/02 14:25:06	190.4183	190.4183	2040.05				
1298	2015/04/02 14:33:46	190.5627	190.5627	2040.00				
1299	2015/04/02 14:42:32	190.7088	190.7088	2040.02				
1300	2015/04/02 14:51:17	190.8547	190.8547	2039.94				
1301	2015/04/02 15:00:07	191.0019	191.0019	2039.95				
1302	2015/04/02 15:08:57	191.1491	191.1491	2039.91				
1303	2015/04/02 15:17:47	191.2963	191.2963	2039.85				
1304	2015/04/02 15:26:47	191.4463	191.4463	2039.81				
1305	2015/04/02 15:35:42	191.5950	191.5950	2039.81				
1306	2015/04/02 15:44:46	191.7461	191.7461	2039.78				
1307	2015/04/02 15:53:51	191.8975	191.8975	2039.77				
1308	2015/04/02 16:02:56	192.0488	192.0488	2039.74				
1309	2015/04/02 16:12:01	192.2002	192.2002	2039.67				
1310	2015/04/02 16:21:16	192.3544	192.3544	2039.65				
1311	2015/04/02 16:30:26	192.5072	192.5072	2039.63				
1312	2015/04/02 16:39:46	192.6627	192.6627	2039.59				
1313	2015/04/02 16:49:01	192.8169	192.8169	2039.54				
1314	2015/04/02 16:58:26	192.9738	192.9738	2039.54				
1315	2015/04/02 17:07:46	193.1294	193.1294	2039.49				
1316	2015/04/02 17:17:16	193.2877	193.2877	2039.49				
1317	2015/04/02 17:26:46	193.4461	193.4461	2039.45				
1318	2015/04/02 17:36:16	193.6044	193.6044	2039.39				
1319	2015/04/02 17:45:51	193.7641	193.7641	2039.40				
1320	2015/04/02 17:55:26	193.9238	193.9238	2039.34				
1321	2015/04/02 18:05:06	194.0850	194.0850	2039.29				
1322	2015/04/02 18:14:51	194.2475	194.2475	2039.32				
1323	2015/04/02 18:24:36	194.4100	194.4100	2039.27				
1324	2015/04/02 18:34:21	194.5725	194.5725	2039.23				
1325	2015/04/02 18:44:11	194.7363	194.7363	2039.22				
1326	2015/04/02 18:54:06	194.9016	194.9016	2039.17				
1327	2015/04/02 19:04:01	195.0669	195.0669	2039.13				
1328	2015/04/02 19:14:01	195.2336	195.2336	2039.11				
1329	2015/04/02 19:24:02	195.4005	195.4005	2039.07				
1330	2015/04/02 19:34:07	195.5686	195.5686	2039.05				
1331	2015/04/02 19:44:12	195.7366	195.7366	2039.05				
1332	2015/04/02 19:54:22	195.9061	195.9061	2039.00				
1333	2015/04/02 20:04:37	196.0769	196.0769	2038.95				
1334	2015/04/02 20:14:51	196.2475	196.2475	2038.93				
1335	2015/04/02 20:25:07	196.4186	196.4186	2038.91				
1336	2015/04/02 20:35:31	196.5919	196.5919	2038.85				
1337	2015/04/02 20:45:56	196.7655	196.7655	2038.82				
1338	2015/04/02 20:56:21	196.9391	196.9391	2038.82				
1339	2015/04/02 21:06:51	197.1141	197.1141	2038.76				
1340	2015/04/02 21:17:26	197.2905	197.2905	2038.74				
1341	2015/04/02 21:28:01	197.4669	197.4669	2038.73				
1342	2015/04/02 21:38:36	197.6433	197.6433	2038.70				
1343	2015/04/02 21:49:21	197.8225	197.8225	2038.67				
1344	2015/04/02 22:00:06	198.0016	198.0016	2038.62				

EXHIBIT 7

# Pressure/Production Summary

Item	Date Clock Time	Time	Cumulative Time	Measured Sandface Pressure	Gas Rate	Oil Rate	Water Rate	Cond. Rate
	YYYY/MM/DD HH:mm:ss	h	h	psi(a)	MMscfd	bb/d	bb/d	bb/d
1345	2015/04/02 22:10:51	198.1808	198.1808	2038.58				
1346	2015/04/02 22:21:41	198.3613	198.3613	2038.57				
1347	2015/04/02 22:32:36	198.5433	198.5433	2038.52				
1348	2015/04/02 22:43:31	198.7252	198.7252	2038.49				
1349	2015/04/02 22:54:31	198.9086	198.9086	2038.47				
1350	2015/04/02 23:05:36	199.0933	199.0933	2038.42				
1351	2015/04/02 23:16:41	199.2780	199.2780	2038.41				
1352	2015/04/02 23:27:46	199.4627	199.4627	2038.40				
1353	2015/04/02 23:39:01	199.6502	199.6502	2038.36				
1354	2015/04/02 23:50:16	199.8377	199.8377	2038.32				
1355	2015/04/03 00:01:31	200.0252	200.0252	2038.31				
1356	2015/04/03 00:12:56	200.2155	200.2155	2038.26				
1357	2015/04/03 00:24:17	200.4047	200.4047	2038.23				
1358	2015/04/03 00:35:47	200.5963	200.5963	2038.19				
1359	2015/04/03 00:47:17	200.7880	200.7880	2038.16				
1360	2015/04/03 00:58:52	200.9811	200.9811	2038.18				
1361	2015/04/03 01:10:27	201.1741	201.1741	2038.13				
1362	2015/04/03 01:22:06	201.3683	201.3683	2038.03				
1363	2015/04/03 01:33:51	201.5641	201.5641	2038.06				
1364	2015/04/03 01:45:37	201.7602	201.7602	2038.00				
1365	2015/04/03 01:57:26	201.9572	201.9572	2037.99				
1366	2015/04/03 02:09:21	202.1558	202.1558	2037.96				
1367	2015/04/03 02:21:16	202.3544	202.3544	2037.93				
1368	2015/04/03 02:33:16	202.5544	202.5544	2037.89				
1369	2015/04/03 02:45:21	202.7558	202.7558	2037.86				
1370	2015/04/03 02:57:26	202.9572	202.9572	2037.83				
1371	2015/04/03 03:09:36	203.1600	203.1600	2037.80				
1372	2015/04/03 03:21:51	203.3641	203.3641	2037.78				
1373	2015/04/03 03:34:06	203.5683	203.5683	2037.73				
1374	2015/04/03 03:46:26	203.7738	203.7738	2037.75				
1375	2015/04/03 03:58:51	203.9808	203.9808	2037.71				
1376	2015/04/03 04:11:16	204.1877	204.1877	2037.63				
1377	2015/04/03 04:23:46	204.3961	204.3961	2037.64				
1378	2015/04/03 04:36:21	204.6058	204.6058	2037.57				
1379	2015/04/03 04:48:56	204.8155	204.8155	2037.59				
1380	2015/04/03 05:01:36	205.0266	205.0266	2037.55				
1381	2015/04/03 05:14:21	205.2391	205.2391	2037.52				
1382	2015/04/03 05:27:11	205.4530	205.4530	2037.50				
1383	2015/04/03 05:40:02	205.6672	205.6672	2037.49				
1384	2015/04/03 05:52:57	205.8825	205.8825	2037.41				
1385	2015/04/03 06:05:57	206.0991	206.0991	2037.41				
1386	2015/04/03 06:18:57	206.3158	206.3158	2037.38				
1387	2015/04/03 06:32:02	206.5338	206.5338	2037.34				
1388	2015/04/03 06:45:12	206.7533	206.7533	2037.34				
1389	2015/04/03 06:58:27	206.9741	206.9741	2037.29				
1390	2015/04/03 07:11:41	207.1947	207.1947	2037.25				
1391	2015/04/03 07:25:01	207.4169	207.4169	2037.23				
1392	2015/04/03 07:38:26	207.6405	207.6405	2037.18				
1393	2015/04/03 07:51:51	207.8641	207.8641	2037.18				
1394	2015/04/03 08:05:26	208.0905	208.0905	2037.13				
1395	2015/04/03 08:19:01	208.3169	208.3169	2037.10				
1396	2015/04/03 08:32:36	208.5433	208.5433	2037.07				
1397	2015/04/03 08:45:40	208.7611	208.7611	2037.05				
1398	2015/04/03 08:59:20	208.9889	208.9889	2037.00				

# Gas Well Test - Falloff

## Radial Flow Analysis

### Analysis Results

Flow Capacity (kh)	19050 md.ft	Total Skin (s')	-1.411
Effective Permeability (k)	238.1268 md	Skin Due to Damage (s <sub>d</sub> )	-1.411
Effective Gas Permeability (k <sub>g</sub> )	238.1268 md	Skin Due To Inclination (S <sub>inc</sub> )	
Effective Oil Permeability (k <sub>o</sub> )	md	Skin Due To Partial Penetration (S <sub>pp</sub> )	
Effective Water Permeability (k <sub>w</sub> )	md	Pressure Drop Due to Total Skin (Δp <sub>skin</sub> )	psi(a)
Total Fluid Rate (in situ) ((qβ) <sub>i</sub> )	-12412.0 rbbl/d	Damage Ratio (DR)	0.935
Total Mobility ((k/μ) <sub>i</sub> )	10650.51 md/cP	Flow Efficiency (FE)	1.070
Total Transmissivity ((kh/μ) <sub>i</sub> )	852040.77 mdft/cP		
Slope (m)	0.4277 (10 <sup>6</sup> psi <sup>2</sup> /cP)/cycle		

### Reservoir Parameters

Net Pay (h)	80.000 ft
Total Porosity (φ <sub>t</sub> )	28.00 %
Gas Saturation (S <sub>g</sub> )	70.00 %
Oil Saturation (S <sub>o</sub> )	0.00 %
Water Saturation (S <sub>w</sub> )	30.00 %
Formation Compressibility (c <sub>f</sub> )	3.1715e-06 1/psi
Total Compressibility (c <sub>t</sub> )	3.2746e-04 1/psi
Wellbore Radius (r <sub>w</sub> )	0.700 ft

### Pressures

Extrapolated Pressure (p*)	2052.0 psi(a)
Final Flowing Pressure (p <sub>wfo</sub> )	2066.4 psi(a)
Final Measured Pressure (p <sub>last</sub> )	2037.0 psi(a)

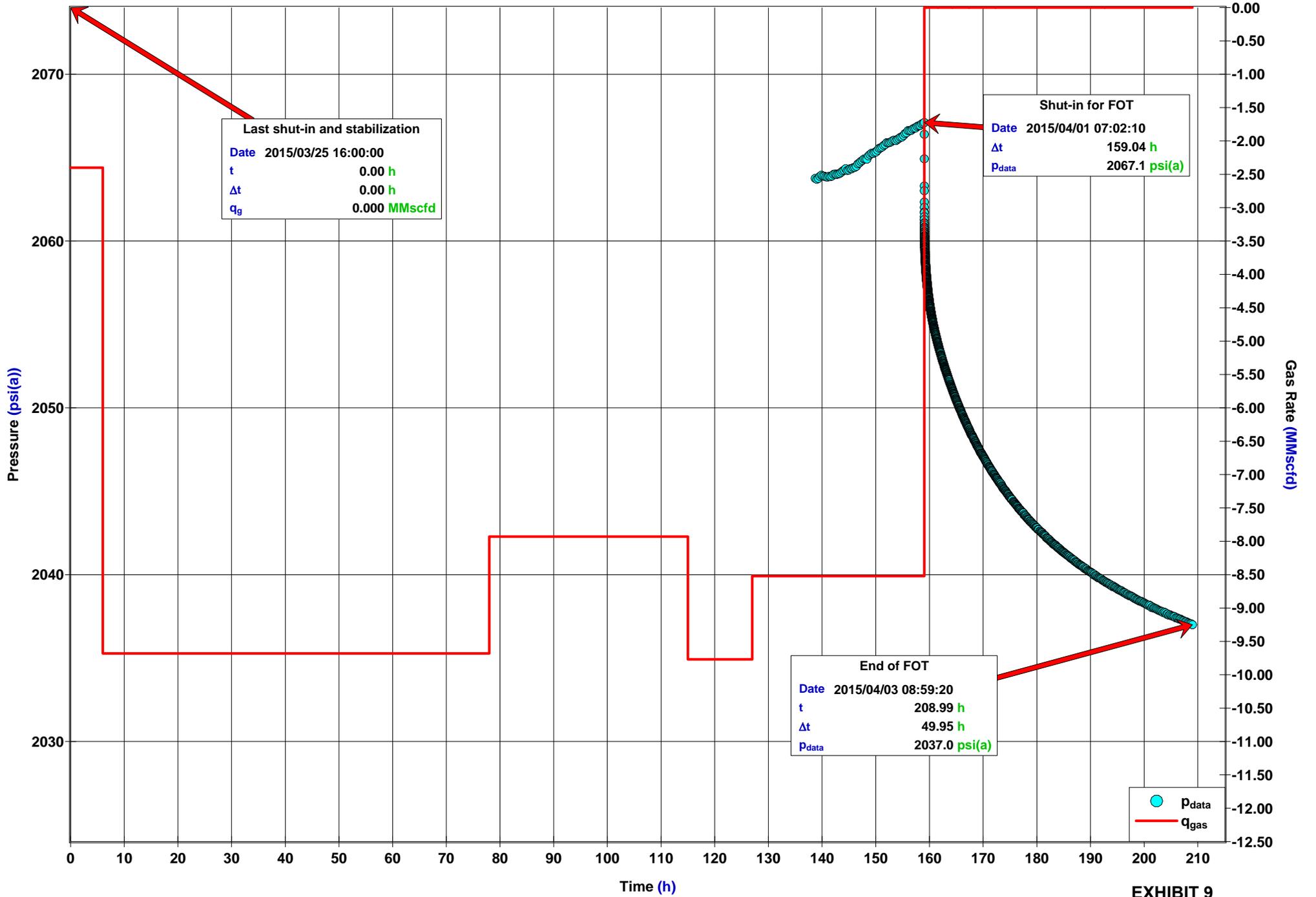
### Fluid Properties

Reservoir Temperature (T <sub>resv</sub> )	126.0 °F
Reservoir Pressure (p <sub>resv</sub> )	2025.0 psi(a)
Gas Gravity (γ <sub>g</sub> )	0.970
N <sub>2</sub>	97.00 %
CO <sub>2</sub>	0.00 %
H <sub>2</sub> S	0.00 %
Critical Temperature (T <sub>c</sub> )	233.9 °R
Critical Pressure (p <sub>c</sub> )	497.4 psi(a)
Gas Viscosity (μ <sub>g</sub> )	0.0224 cP
Gas Compressibility (c <sub>g</sub> )	4.6199e-04 1/psi
Gas Compressibility Factor (z)	1.003
Gas Formation Volume Factor (B <sub>g</sub> )	1.4568e-03 bbl/scf
Gas Correlation	B.W.R. (Table)
Gas Viscosity Correlation	Carr et al

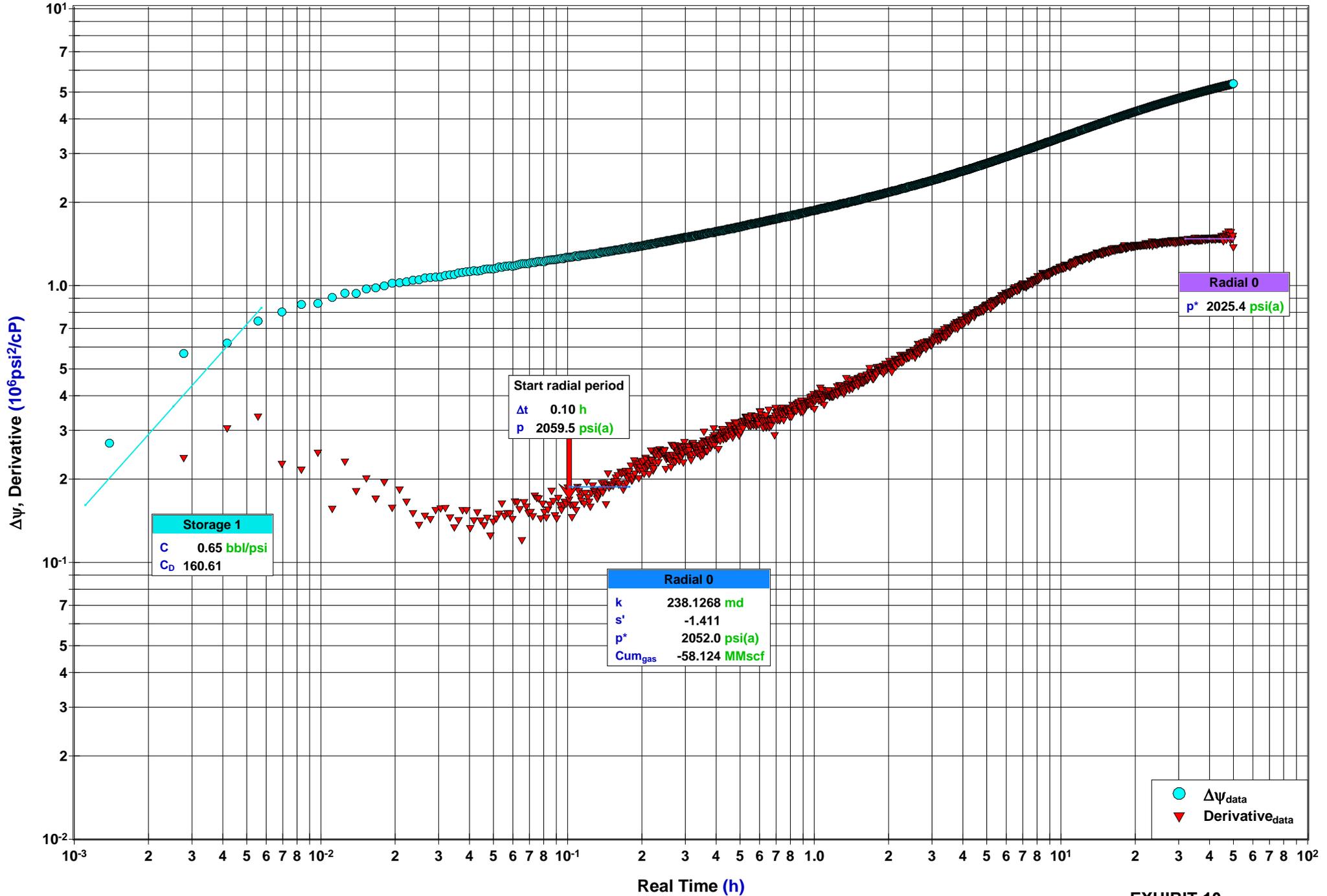
### Production and Times

Corrected Time (t <sub>c</sub> )	163.73 h
Total Cumulative Production Gas (Cum <sub>gas</sub> )	-58.124 MMscf
Final Gas Rate (q <sub>g final</sub> )	-8.520 MMscfd

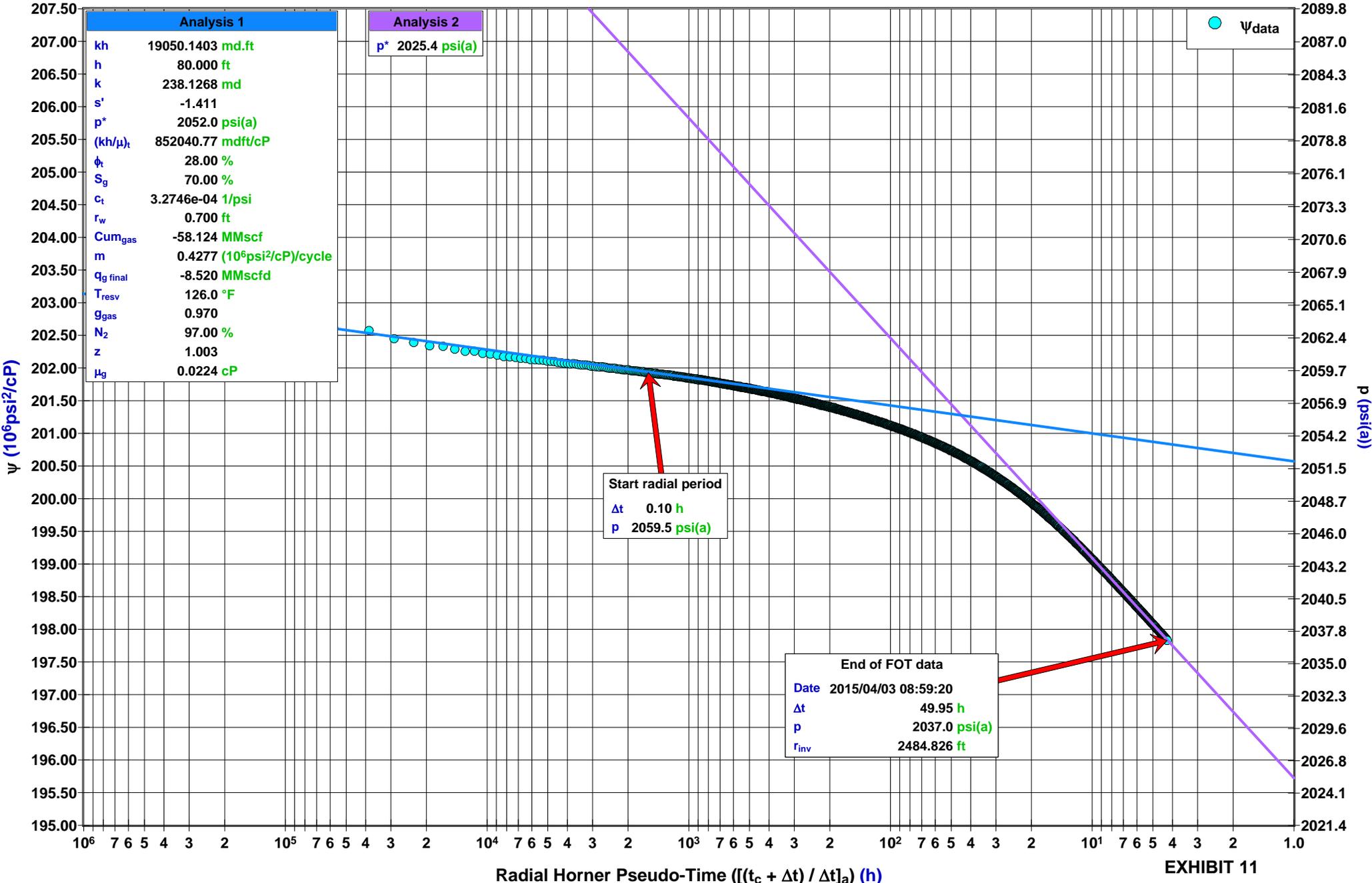
### Diagnostic Plot Falloff Test History



### Diagnostic Plot Typecurve



### Diagnostic Plot Radial Horner



Analysis 1	
kh	19050.1403 md.ft
h	80.000 ft
k	238.1268 md
s'	-1.411
p*	2052.0 psi(a)
(kh/μ) <sub>t</sub>	852040.77 mdft/cP
φ <sub>t</sub>	28.00 %
S <sub>g</sub>	70.00 %
c <sub>t</sub>	3.2746e-04 1/psi
r <sub>w</sub>	0.700 ft
Cum <sub>gas</sub>	-58.124 MMscf
m	0.4277 (10 <sup>6</sup> psi <sup>2</sup> /cP)/cycle
q <sub>g final</sub>	-8.520 MMscfd
T <sub>resv</sub>	126.0 °F
g <sub>gas</sub>	0.970
N <sub>2</sub>	97.00 %
z	1.003
μ <sub>g</sub>	0.0224 cP

Analysis 2	
p*	2025.4 psi(a)

Start radial period	
Δt	0.10 h
p	2059.5 psi(a)

End of FOT data	
Date	2015/04/03 08:59:20
Δt	49.95 h
p	2037.0 psi(a)
r <sub>inv</sub>	2484.826 ft

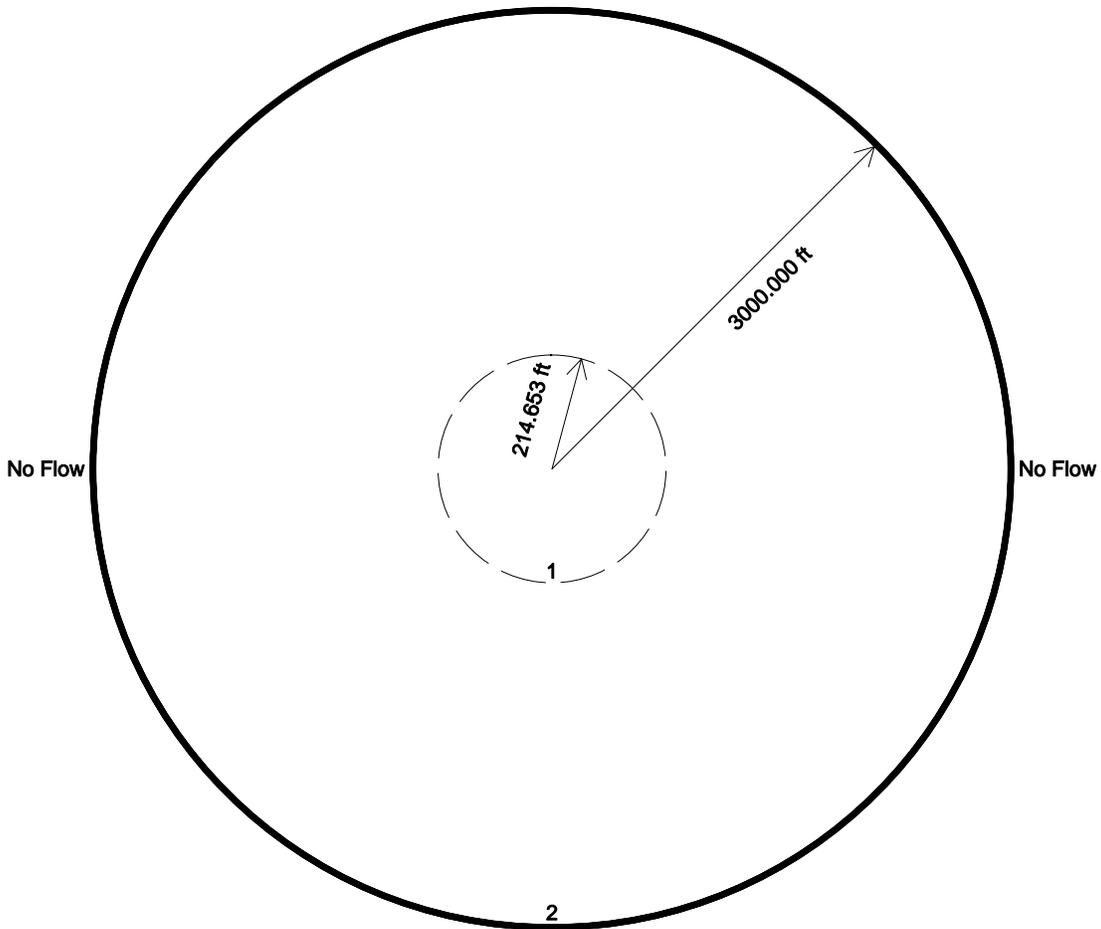
# Test Simulation Composite 1

PG&E CAES Field Test  
 PG&E Test Injection/Withdrawal Well 1  
 King Island Gas Field  
 San Joaquin Co, CA

$s_d = -1.411$   
 $k_1 = 238.1268 \text{ md}$   
 $k_2 = 550.0981 \text{ md}$   
 $\phi_{t1} = 28.00 \%$   
 $\phi_{t2} = 30.00 \%$   
 $\mu_1 = 0.0224 \text{ cP}$   
 $\mu_2 = 0.5400 \text{ cP}$

## Plan View

(Not to scale)



## Side View

(Not to scale)

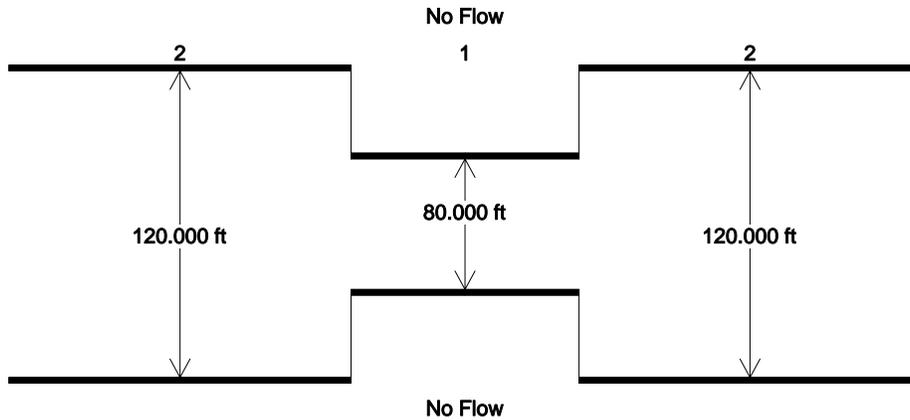


EXHIBIT 12

# Gas Model - Test Simulation Composite 1

## Analysis Results

	Zone 1	Zone 2
Effective Permeability ( $k_f$ )	238.1268 md	550.0981 md
Net Pay ( $h_1$ )	80.000 ft	120.000 ft
Viscosity ( $\mu_1$ )	0.0224 cP	0.5400 cP
Total Porosity ( $\phi_{t1}$ )	28.00 %	30.00 %
Gas Saturation ( $S_{g1}$ )	80.00 %	15.00 %
Oil Saturation ( $S_{o1}$ )	0.00 %	0.00 %
Water Saturation ( $S_{w1}$ )	20.00 %	85.00 %
Formation Compressibility ( $C_{f1}$ )	3.1715e-06 1/psi	3.0820e-06 1/psi
Total Compressibility ( $C_{t1}$ )	3.7336e-04 1/psi	7.4909e-05 1/psi
Radius ( $r_{e1}$ )	214.653 ft	3000.000 ft

Total Skin ( $s'$ )	-1.411
Wellbore Volume ( $V_w$ )	397 bbl
Dim. Wellbore Storage Constant ( $C_D$ )	40.000

## Reservoir Parameters

Wellbore Radius ( $r_w$ ) 0.700 ft

## Production and Pressures

Final Gas Rate ( $q_{g \text{ final}}$ )	-8.520 MMscfd
Total Cumulative Production Gas ( $Cum_{gas}$ )	-58.124 MMscf
Final Flowing Pressure ( $p_{wfo}$ )	2066.4 psi(a)
Final Measured Pressure ( $p_{last}$ )	2037.0 psi(a)

## Fluid Properties

Reservoir Temperature ( $T_{resv}$ )	126.0 °F
Reservoir Pressure ( $p_{resv}$ )	2025.0 psi(a)
Gas Gravity ( $\gamma_g$ )	0.970
N <sub>2</sub>	97.00 %
CO <sub>2</sub>	0.00 %
H <sub>2</sub> S	0.00 %
Critical Temperature ( $T_c$ )	233.9 °R
Critical Pressure ( $p_c$ )	497.4 psi(a)
Gas Viscosity ( $\mu_g$ )	0.0224 cP
Gas Compressibility ( $c_g$ )	4.6199e-04 1/psi
Gas Compressibility Factor ( $z$ )	1.003
Gas Formation Volume Factor ( $B_g$ )	1.4568e-03 bbl/scf
Gas Correlation	B.W.R. (Table)
Gas Viscosity Correlation	Carr et al

## Synthesis Results

Average Error ( $E_{avg}$ )	0.01 %
Synthetic Initial Pressure ( $p_i$ (syn))	2025.0 psi(a)
Final Average Reservoir Pressure ( $p_{avg}$ )	2031.6 psi(a)
Pressure Drop Due to Total Skin ( $\Delta p_{skin}$ )	psi(a)
Flow Efficiency (FE)	1.084
Damage Ratio (DR)	0.923

### Test Simulation Composite Model History

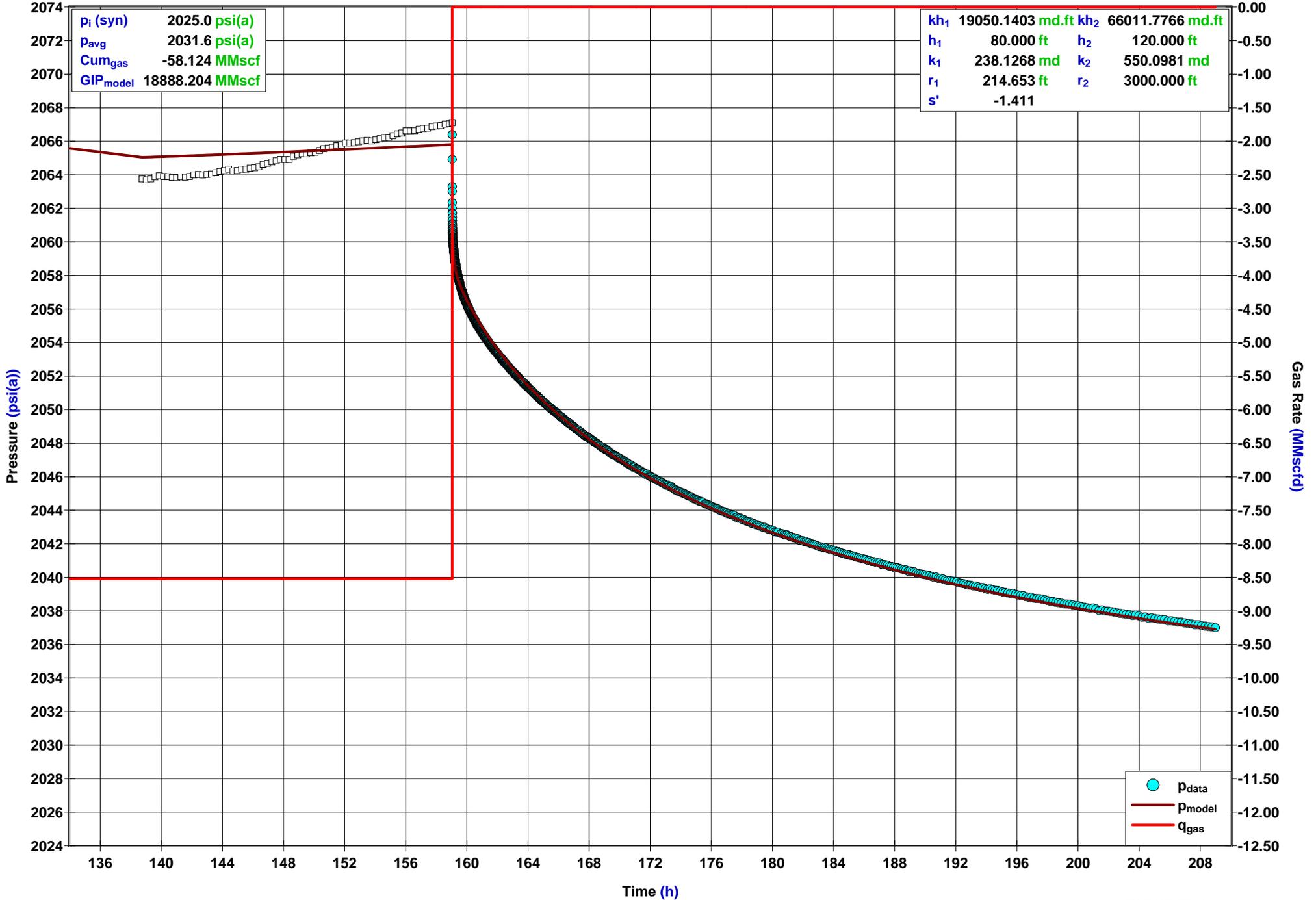
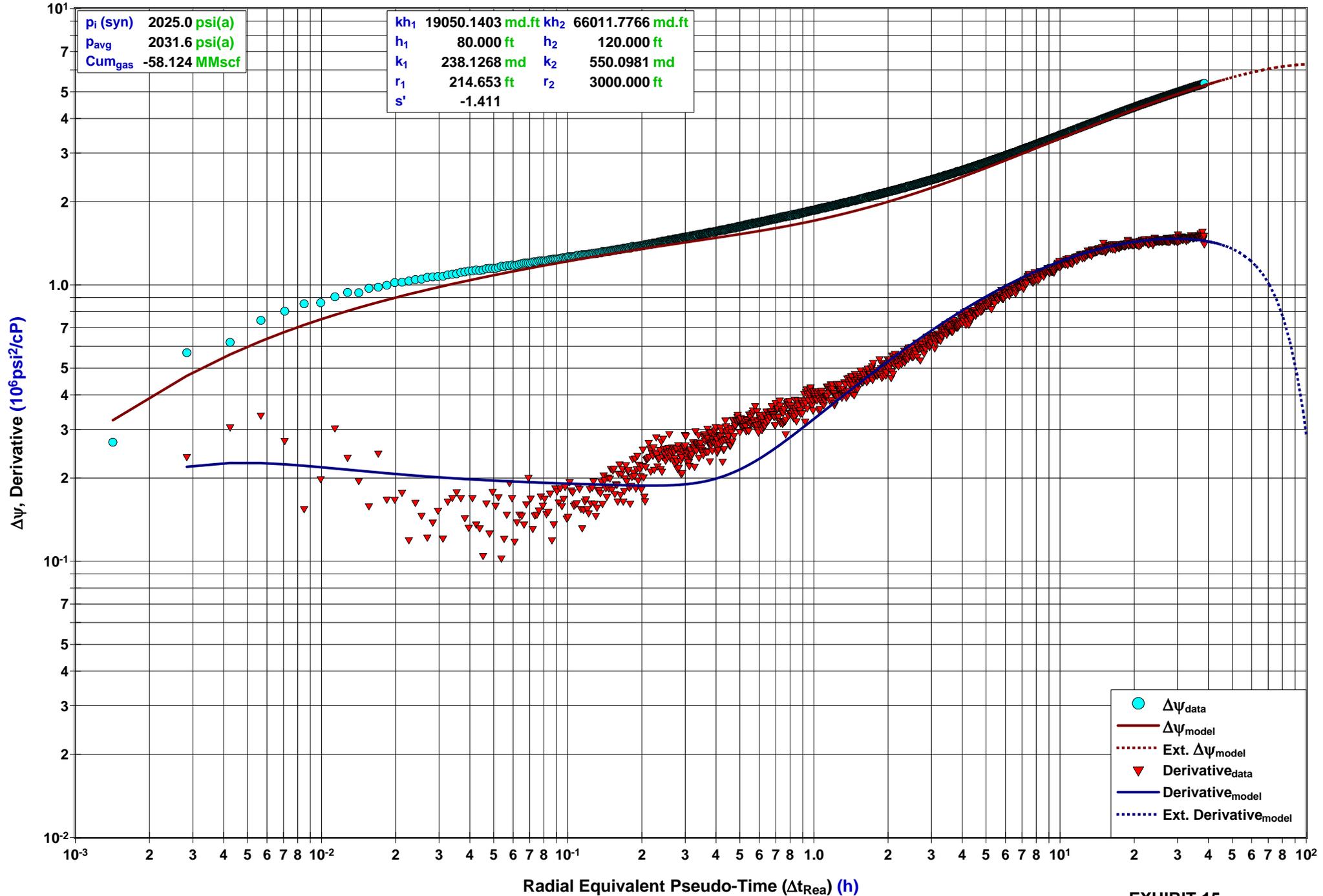
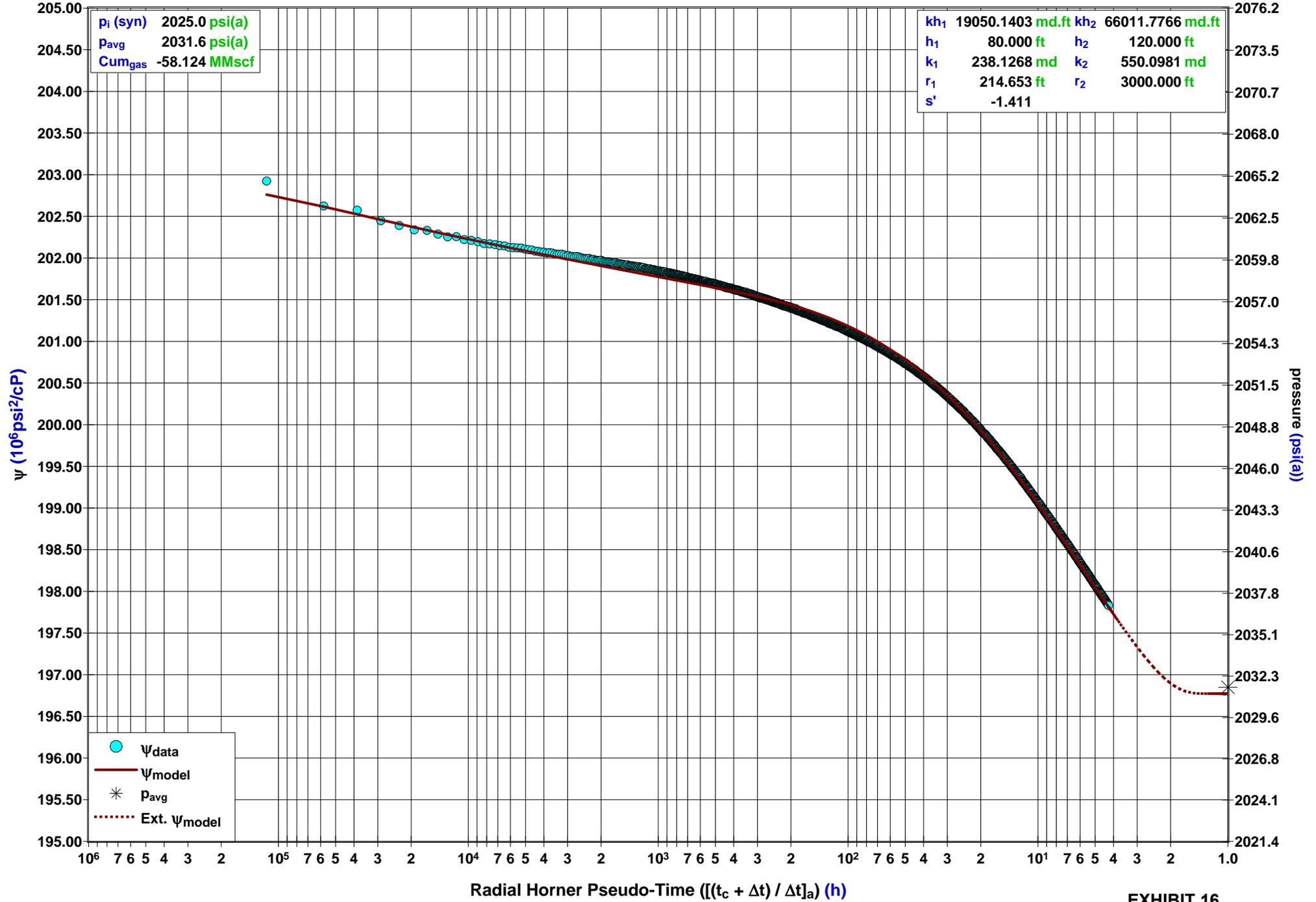


EXHIBIT 14

Test Simulation Composite Model  
 Typecurve



### Test Simulation Composite Model Radial



## **ATTACHMENT 5**

List of Abbreviations used in Attachments 1 through 3

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°F	Degrees Fahrenheit
Avg	Average
BHP	Bottomhole Pressure
I/W	Injection/Withdrawal
PSI	Pounds square inch
PSIA	Pounds square inch atmospheric
PSIG	Pounds square inch gauge
Max	Maximum
Min.	Minutes
Min	Minimum
MSCF	Thousand standard cubic feet
MSCFD	Thousand standard cubic feet per day
MMSCFD	Million standard cubic feet per day
MMSCFM	Million standard cubic feet per minute
Prod/SI	Producing or Shut-In
SCFM	Standard cubic feet per minute